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METRIC UNITS

Forest Resources of the United States, 1997

W. Brad Smith, John S. Vissage, David R. Darr, and Raymond M. Sheffield

A Technical Document Supporting the 2000 USDA Forest Service RPA Assessment

U.S. Department of Agriculture Forest Service

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Published by:
North Central Research Station
Forest Service—U.S. Department of Agriculture
1992 Folwell Avenue
St. Paul, MN 55108
2002

Web site: www.ncrs.fs.fed.us

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ACKNOWLEDGMENTS

Development of this report has been very much a team effort and we recognize here a long list of people who made significant contributions.

We greatly appreciate the help of the staffs of the Forest Inventory and Analysis Research Work Units at the Forest Service Research Stations and the Forest Management staffs in the regional offices of the National Forest System who compiled the basic resource data for entry into the 1997 RPA National Inventory Database. The following people made significant contributions and were responsible for coordinating and submitting resource data: Carol Alerich, Gary Boyack, Gary Carroll, Dave Ellen, Jorge Negron, Bruce Hiserote, Tom Frieswyk, Joe Glover, Jeff Hogg, Charles Keegan, George Lightner, Dennis May, Mel Mehl, Doug Meyers, Pat Miles, Roy Mita, Bert Mead, Karl Stoneking, John Tepley, Ralph Warbington, Eric Wharton, Sue Willits, Ann Withers, and Sharon Woudenberg.

The work of several Forest Inventory and Analysis employees was also significant in the development of the 1997 RPA National Timber Output Database: Dennis May, Brian Johnston, Tony Johnson, George Keith, Art Walmsley, Andy Hartsell, Ted Ridley, Dawn Reynolds, and Anne Jenkins.

We acknowledge and appreciate the efforts of the following people in reviewing the resource data and associated text: Al Abee, Jim Alegria, Larry Biles, Richard Birdsey, Fred Cubbage, Mark Delfs, Mike Higgs, Peter Ince, Ralph Johnson, Doug MacCleery, Will McWilliams, Robin O'Malley, Bert Mead, Doug Powell, Kurt Riitters, Jim Rosson, Con Schallau, Tom Schmidt, John Sebelius, Lisa Stocker, Bill van Hees, and Sharon Woudenberg.

An update of the RPA forest type group map was also developed. Zhuliang Zhu of the U.S. Geological Survey made significant contributions to map project design, satellite data processing, and GIS support. Special thanks also go to John Hutchinson, Jack Whittman, and Loraine Utz of the U.S. Geological Survey, who were responsible for the cartographic layout, editing, and production of the final map. Several people in the Forest Service also assisted with reference data or provided technical comments: Rachel Riemann, Chuck Bolsinger, Karen Waddell, Pat Miles, Beth Collins, Tom Bobbe, and Raymond Czaplewski. The new map is available at http://www.nationalatlas.gov.

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Introduction

Forest resource growth, harvests, and land use conversion can change inventories within States, among regions, and even among countries, and can significantly influence the future performance of resources. This could affect the State, regional, and national economies that depend on the affected resources, as well as the resource environments. Periodic surveys provide information needed to assess the current status and performance of resources, and to estimate their future condition. As required by the Forest and Rangeland Renewable Resources Planning Act of 1974 (RPA), P.L. 93-378, 88 Stat. 4765, as amended, this report updates information on the Nation's forest resource.

This report updates resource statistics published by Waddell *et al.* (1989). An update of the 1989 Assessment was provided in 1992 (Powell *et al.* 1994), but for brevity and balance in presenting reporting periods in tabular outputs, it has been omitted from this report. To provide a context in which to evaluate and interpret changes in the forest resource, data for 1953, 1963, 1977, and 1987 are included. A forest type map produced from satellite imagery displaying the area and location of forest land in the United States is available on the Internet at http://www.nationalatlas.gov.

Geographic Context of the United States

The main landmass of the United States, situated in mid-North America (figure 1), has a central plain with hills and low mountains to the east and rugged mountains and wide valleys to the west. Alaska, on Canada's western border, is dominated by Pacific and Arctic mountains, central plateau, and Arctic slope. Hawaii, comprised of the tops of a chain of submerged volcanic mountains, lies 4,000 km west of the mainland in the north Pacific.

Original forest and other wooded lands were abundant throughout the Eastern U.S., mountainous regions of the interior and coastal West, Hawaii, and non-polar regions of Alaska. The forests (including other wooded land) of the United States cover 302 million hectares, are split almost evenly east and west of the central plain, and contain over 800 species of trees of which 82 are non-native. About one-third of the pre-European settlement forest has been cleared, primarily for agriculture during the 19th century. While there have been significant regional changes, the total area of land in forest has been fairly stable for nearly 100 years.

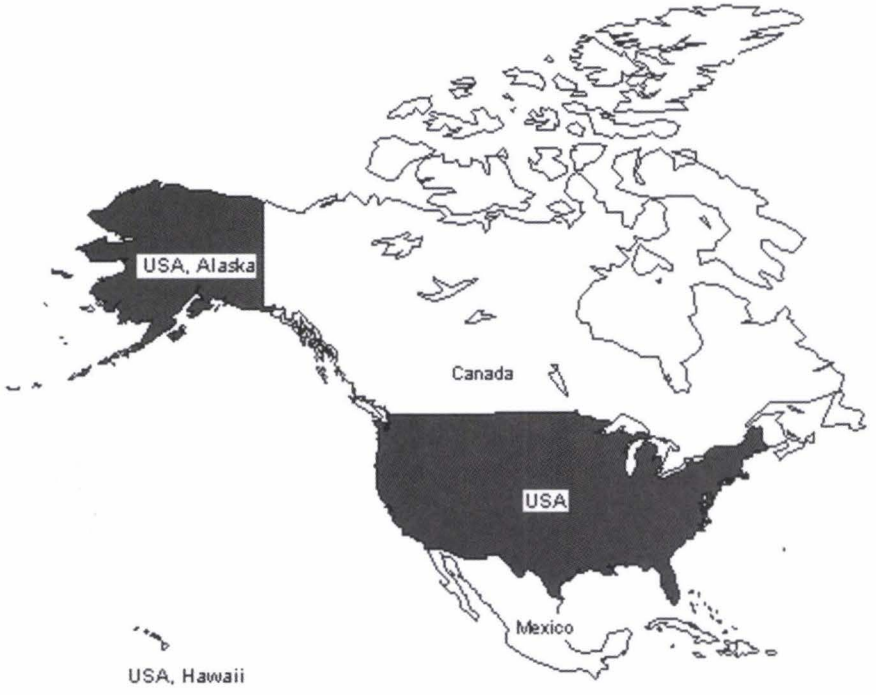


Figure 1 — Geographic location of the United States in North America.

Notes on Terminology

Some general differences in terminology are important to note before the information in this report is used for international comparisons. These terms are described in the table below:

U.S. Term	International Term	Comparison
Forest = Timberland + Reserved forest + Other forest	Forest = Available forest + Unavailable forest (reserved)	U.S. data include international 'other wooded land' as part of this category. *(see "Other forest land" below)*
Timberland	Available forest land	Same
Reserved forest	Unavailable forest land (reserved)	Same
Other forest land	Other wooded land	U.S. data include this category as a subdivision of forest land on the basis of productivity of 1.4 m^3/ha/yr (20 cf/ac/yr).
Growing-stock current	Growing-stock	U.S. data include: 1) volume in live sound trees of good form larger than 12.7 cm (5 inches) d.b.h. to a 10-cm (4-inch) top d.o.b. U.S. data do not include: 1) volume of live sound trees of poor form (these 'cull' trees account for about 6 percent of the total live tree volume); 2) volume above a 10-cm (4-inch) bole top to stem tip for all live trees; or 3) volume of live trees less than 12.7 cm (5 inches) d.b.h.

The data presented in this report have been derived through a "soft" conversion of the information presented in the English unit version of the RPA report (Smith *et al.* 2001). While this may not be as accurate as converting the data prior to accumulating for tabular output, it provides the most consistent comparison between the English and metric reports. The reader is cautioned that although this method allows the value of a given table cell to round to zero, the unrounded value of that cell is still accounted for in the row and column totals. A general table of the factors used to convert the English data is presented in appendix B.

For this report, the United States is divided into four major regions: North, South, Rocky Mountain, and Pacific Coast, as shown in figure 2. These major regions are divided into subregions for further geographic reference.

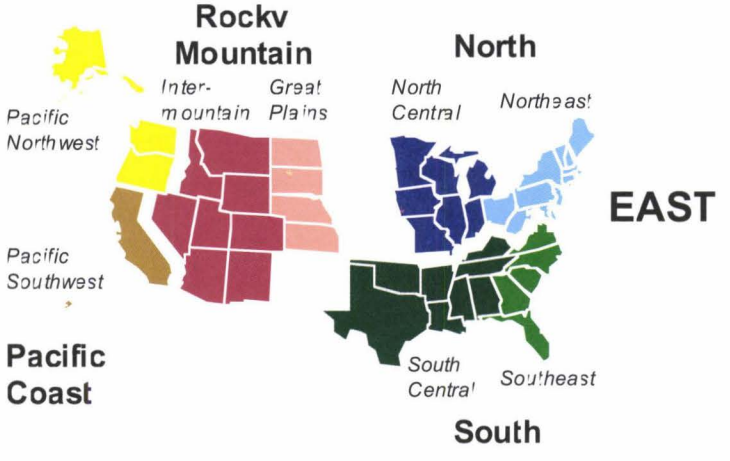


Figure 2 — Forest resource reporting regions and subregions of the United States.

Highlights

Forest Land Area

- Forest land area increased 1.4 percent between 1987 and 1997, reversing a slight downward trend in area dating from the 1960s.
- About 33 percent of the U.S. land area, or 302 million hectares, is forest land (figure 3). This amounts to about two-thirds of the area that was forested in 1630 (424 billion hectares). Some 122 million hectares of forest land have been converted to other uses since 1630, chiefly to agricultural uses.
- More than three-quarters of the conversion of forests to other uses occurred in the 19th century. By 1920, the net clearing of forests for agriculture had largely subsided.
- Some 42 percent of all forest land is publicly owned (figure 4). Public forest land is dominant in the Western U.S. while most eastern forests are privately owned.

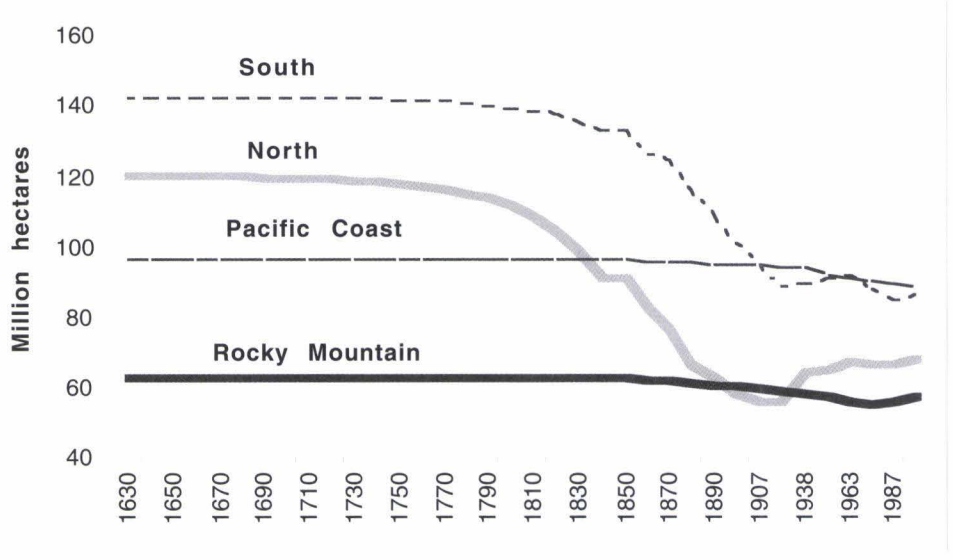


Figure 3 — Forest area of the United States by major region, 1630-1997.

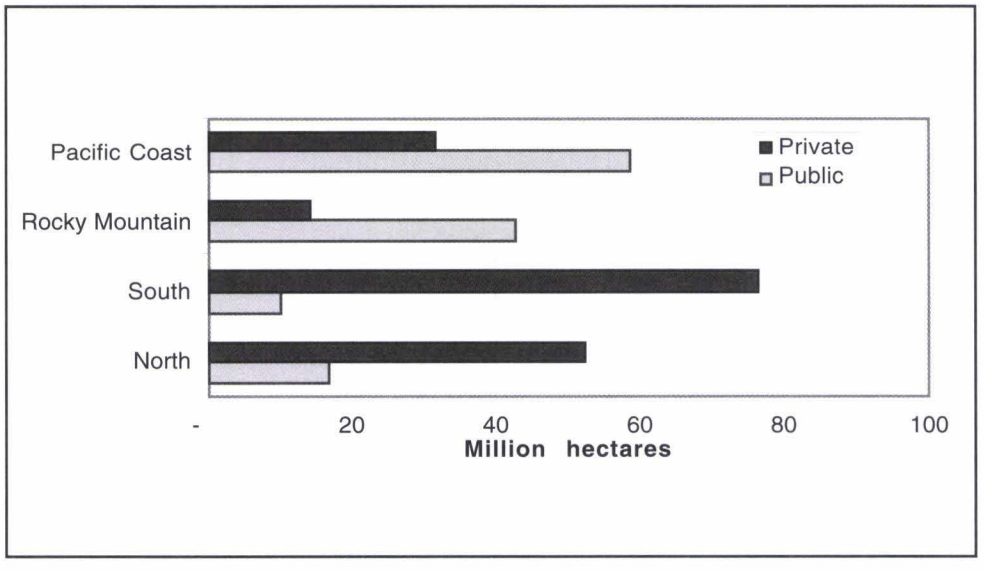


Figure 4 — Distribution of forest land by major region and ownership group.

- About 21 million hectares of forest land (7 percent of all U.S. forest land) is reserved from commercial timber harvest in wilderness, parks, and other legally reserved classifications (figure 5). This is nearly double the area of reserved forest in 1953 with major increases occurring in the West.

Timberland Area

- About 204 million hectares of forest land (67 percent of all forest land) is classed as timberland—forest land capable of producing in excess of 1.4 cubic meters per hectare per year and not legally withdrawn from timber utilization. Regionally, percentages of forests classed as timberland are 94 percent in the East, 80 percent in the Pacific Northwest subregion, about 50 percent in the Rocky Mountain region, and 10 percent in Alaska.

- Since 1953, the area of timberland has had a net loss of about 1 percent, or about 2 million hectares. Over the last four decades, losses have come primarily from withdrawals of public timberland as wilderness or other land uses that do not permit timber harvest. Increases have come from reclassification of marginally productive forests and reversion of abandoned lands (figure 6).

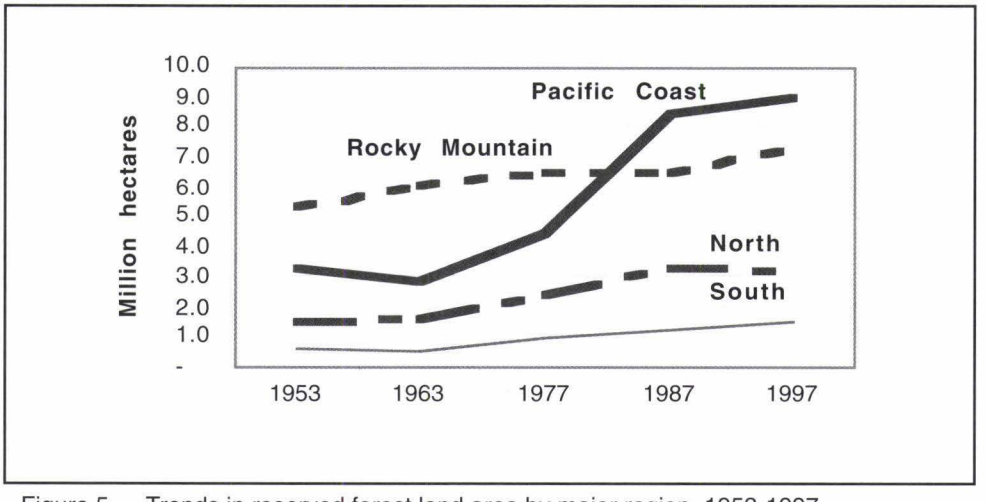


Figure 5 — Trends in reserved forest land area by major region, 1953-1997.

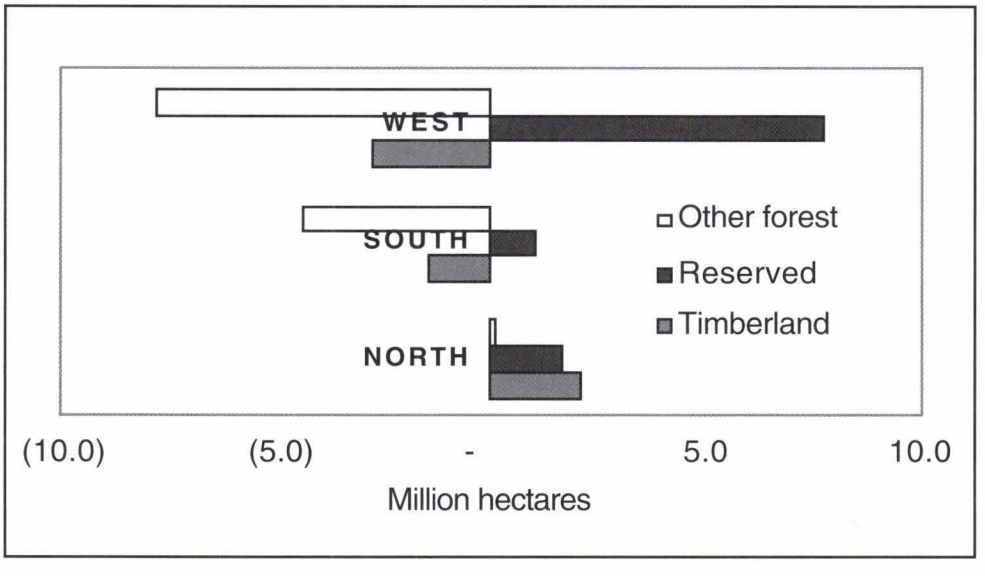


Figure 6 — Net change in forest area between 1953 and 1997 by major region.

- About 54 million acres (11 percent of timberland in the United States) are of planted origin. Two-thirds (14.5 million hectares) of all planted timberland is in the South.

Timber Inventories

- Growing-stock volume on U.S. timberland increased by 7 percent between 1987 and 1997. Since 1953, net volume per hectare has increased by 37 percent. In the North, average volume per hectare rose by 98 percent between 1953 and 1997, 76 percent in the South, 27 percent in the Rocky Mountain region, and 2 percent in the Pacific Coast region (figure 7).

- About 58 percent of the volume of growing stock is in softwoods, and the remaining 42 percent is in hardwoods. However, 90 percent of the hardwood growing stock is in the Eastern United States. About 68 percent of the softwood growing stock is in the Western United States, 22 percent is in the South, and 10 percent is in the North.

- The net growing-stock volume of U.S. hardwoods increased by 12 percent between 1987 and 1997, and by 91 percent between 1953 and 1997.

- The volume of hardwoods in diameter classes greater than 48 cm has doubled since 1953, from 0.7 billion cubic meters to 1.6 billion cubic meters in 1997 (figure 8).

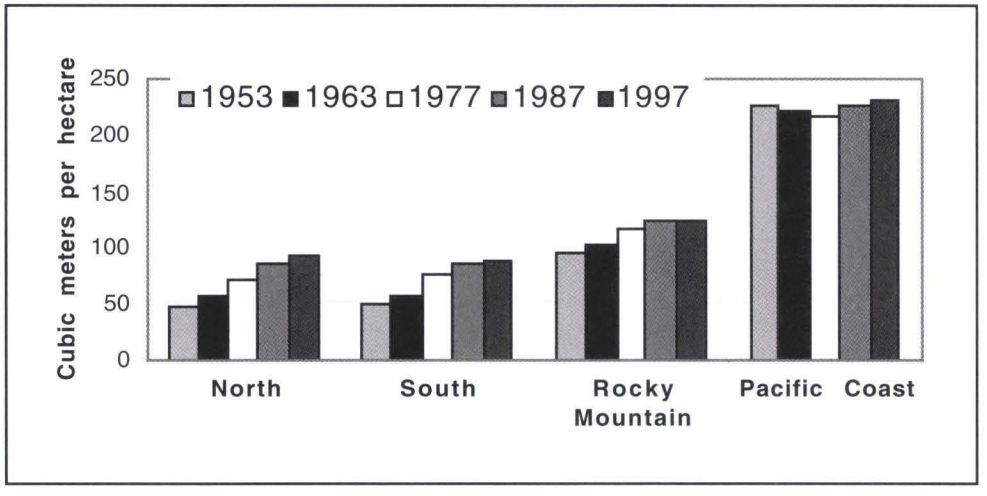


Figure 7 — Trends in average volume per hectare on timberland by region.

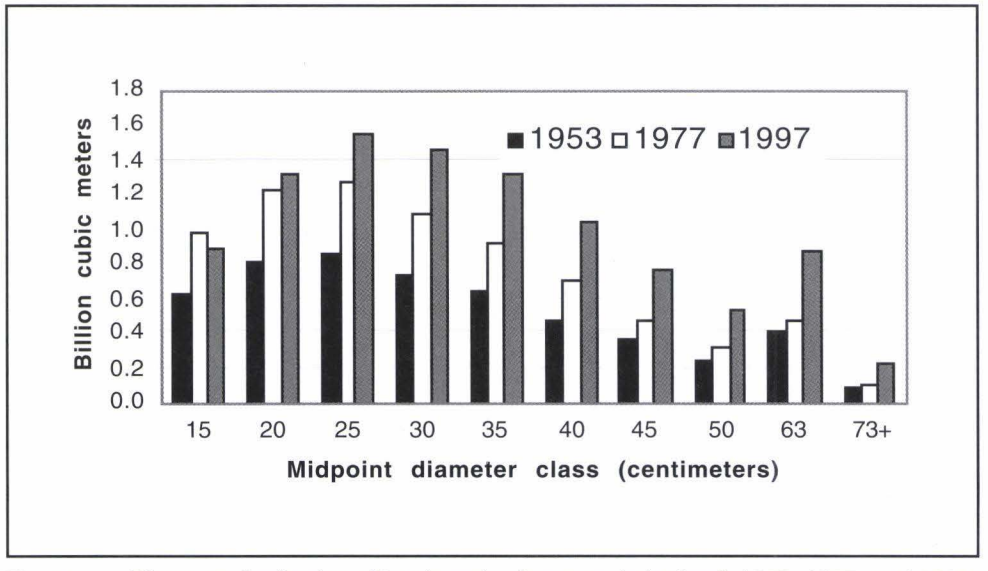


Figure 8 — Diameter distribution of hardwood volume on timberland, 1953, 1977, and 1997.

- The net volume of U.S. softwoods increased by 12 percent between 1953 and 1997 (figure 9).

- For the first time since 1953, when a national, statistically based inventory first became available, declines were observed for softwood growing-stock inventory on nonindustrial private lands and hardwood inventory on forest industry lands in the South.

- For the South as a whole, the volume of standing softwood growing-stock inventory declined by 0.7 percent between 1987 and 1997—the first such decline since at least 1953.

Mortality

- Timber mortality increased between 1986 and 1996 in all regions of the country, on all ownerships, and for both hardwoods and softwoods (figure 10). Nationally, the volume of annual mortality was up 40 percent from 1986 to 1996, from 124 million cubic meters to 175 million cubic meters per year—0.74 percent of the growing-stock inventory. Softwood mortality was up 30 percent between 1986 and 1996, and hardwood mortality was up 44 percent.

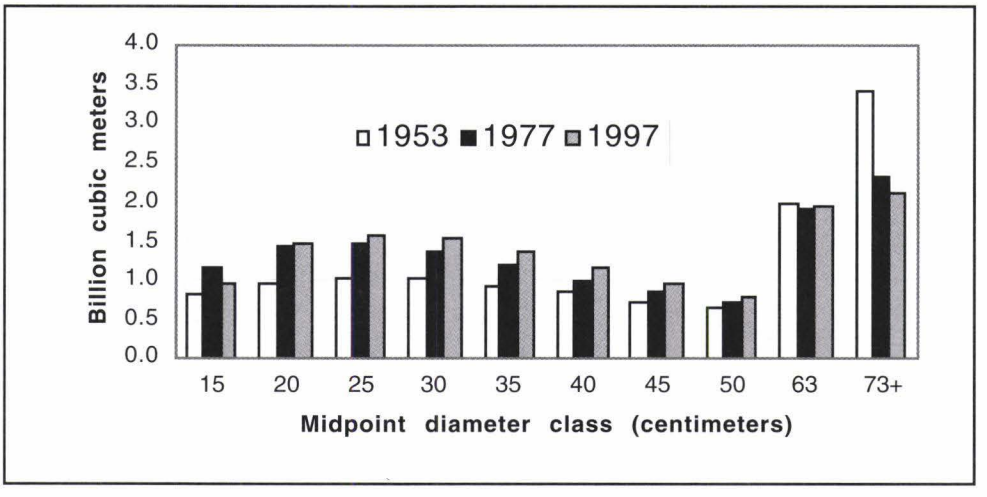


Figure 9 — Diameter distribution of softwood volume on timberland, 1953, 1977, and 1997.

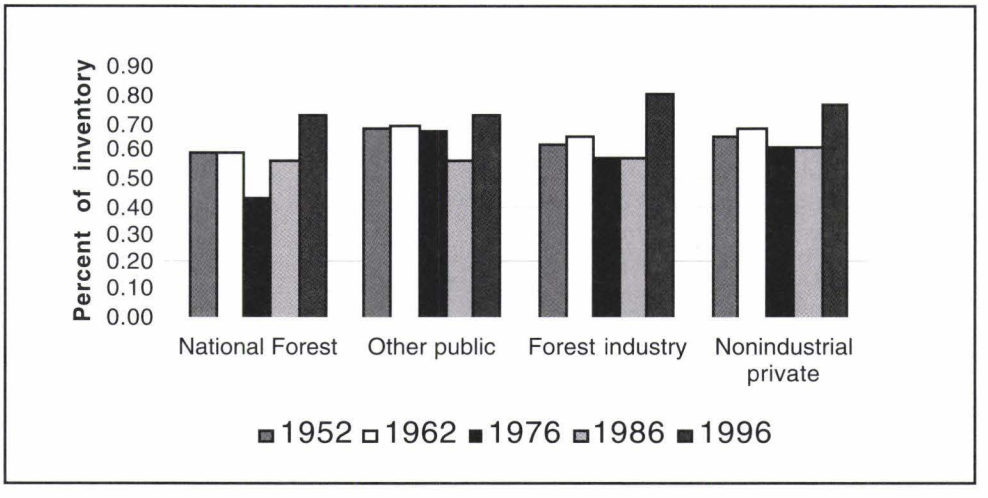


Figure 10 — Mortality as a percent of growing-stock volume on timberland by owner group, 1997.

- Timber mortality in the South increased by 33 percent between 1986 and 1996—44 percent for hardwoods and 23 percent for softwoods (figure 11). Recent insect outbreaks in the South and West as well as hurricane impacts in the South were a significant factor in the sharp rise in mortality rates in the last decade. While the increase in mortality appears dramatic, there is insufficient information to establish whether it is beyond the range of normal variability.

Growth and Removals

The growth-removal ratio is a coarse-filter measure that approximates the notion of sustainable production: If the Nation is growing more wood than it is cutting, this ratio is greater than 1.0 and implies that current levels of wood production are sustainable. Growth is assumed to be a measure of sustainable output. However, the indicator conveys no information about quality, forest types, size, and other attributes of growth and harvest.

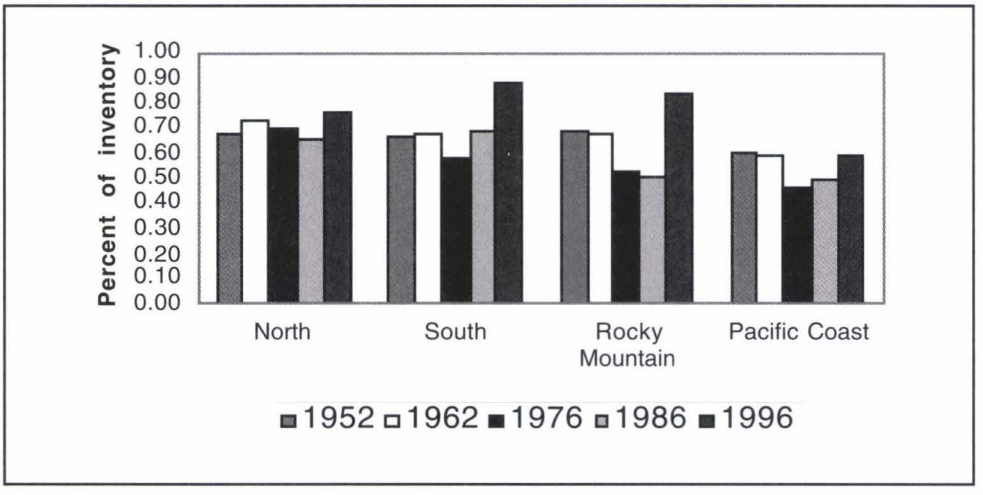


Figure 11 — Mortality as a percent of growing-stock volume on timberland by region, 1997.

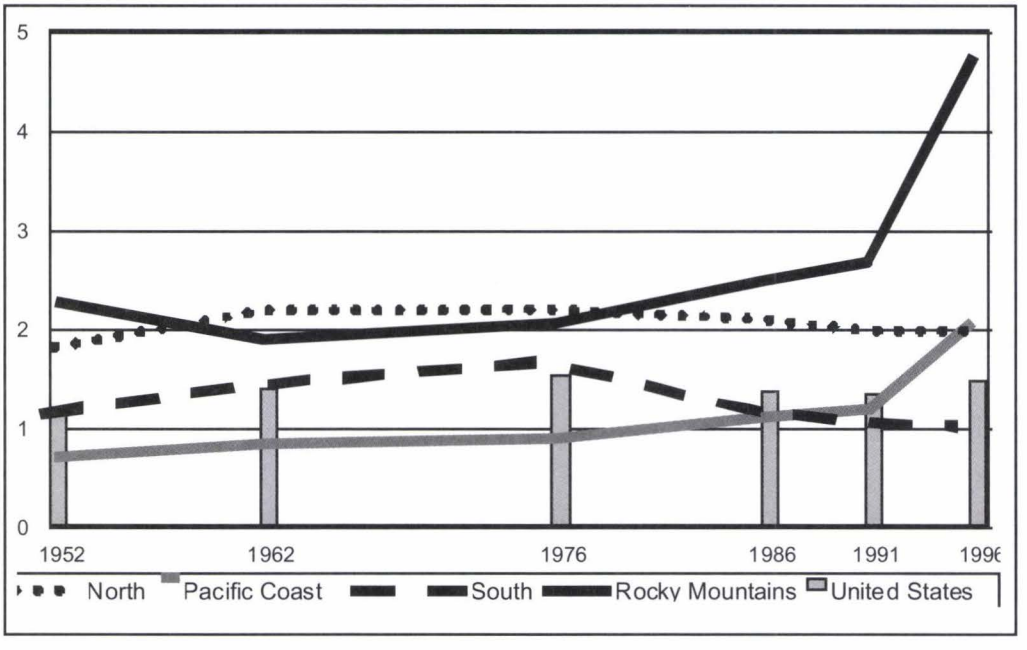


Figure 12 — Growing-stock growth-removal ratios by region, 1952-1996.

- Net annual growing-stock growth exceeded removals by 54 percent in 1976, 36 percent in 1986, and 47 percent in 1996.

- In 1996, net annual growth exceeded removals in all regions of the country: by 95 percent in the North, 5 percent in the South, 357 percent in the Rocky Mountains, and 97 percent in the Pacific Coast region (figure 12). For the United States, growth exceeded removals by 70 percent for hardwoods and by 33 percent for softwoods.

- In the South, softwood removals exceeded net annual growing-stock growth by 10 percent in 1996, primarily due to a pine beetle outbreak.

Removals

- In 1996, growing-stock removals were 450 million cubic meters, 0.4 percent higher than in 1986 and 35 percent higher than in 1953. Removals in 1996 amounted to 1.9 percent of total growing-stock inventory.

- In 1996, about 63 percent of the volume of timber removals was softwoods and 37 percent was hardwoods, compared with 69 and 31 percent, respectively, in 1986. This reflects a trend toward rising hardwood removals in response to new product technologies using hardwoods as well as increases in traditional markets for hardwoods.

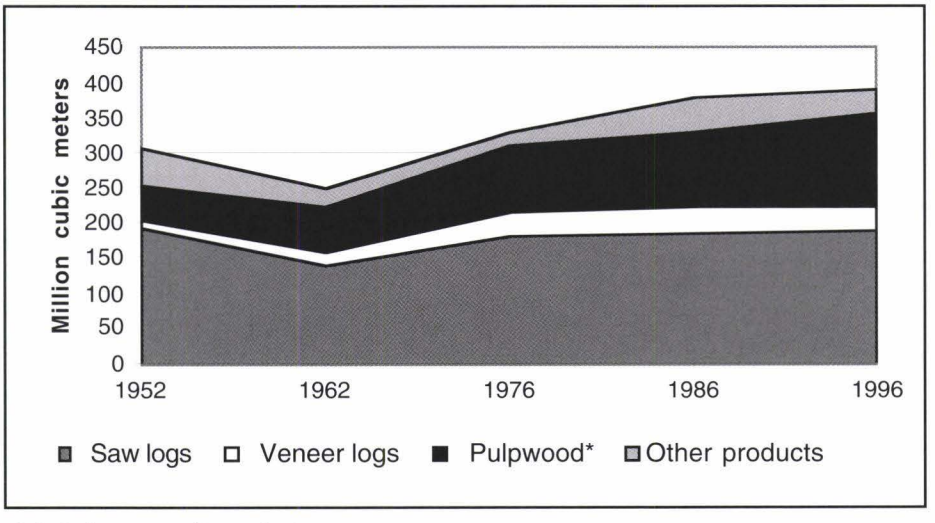
- The South accounted for 64 percent of growing-stock removals in 1996, up from 51 percent in 1986 and 47 percent in 1977. This reflects the increasing importance of the South in national timber production relative to other U.S. regions.

- The predominant use of wood continues to be for lumber. Saw logs accounted for 43 percent of wood volume harvested in 1996, veneer logs accounted for 8 percent, and pulpwood accounted for 31 percent (figure 13). The remaining 18 percent was used for fuelwood and other products.

- On a tonnage basis, wood products constitute about 45 percent of U.S. consumption of all materials, including plastics, concrete, steel, copper, aluminum, and other metals.

Ownership and Removals

- Seventy-one percent of timberland is privately owned, and these lands accounted for 89 percent of growing-stock removals in 1996 (figure 14). This is a substantial increase from 1987 when private lands provided 80 percent of growing-stock removals.



** Includes composite products.*

Figure 13 — Trends in timber products output, 1952-1996.

- Nonindustrial private ownerships made up 58 percent (118 million hectares) of U.S. timberland and accounted for 59 percent of the volume of growing-stock removals in 1996. About 72 percent of the hardwood resource is on nonindustrial private ownerships, which account for 73 percent of the volume of hardwood harvest. Timber removals on nonindustrial private forest lands increased by about 17 percent between 1986 and 1996, partly in response to reduced harvest on public lands.

- Industrial forests accounted for 13 percent of U.S. timberland (27 million hectares) and 30 percent of the volume harvested in 1996. Although forest industry ownerships contain only 14 percent of the volume of softwood timber, in 1996 they accounted for 36 percent of the volume of softwood removals from growing stock.

- Public forests made up 29 percent of the U.S. timberland base and accounted for 11 percent of U.S. removals volume in 1996. Three-quarters of all public timberland area is in Federal ownership.

- Federal forests comprise 22 percent (44 million hectares) of U.S. timberland. National forests are the largest Federal ownership, making up 19 percent of U.S. timberland and accounting for 5 percent of timber removals in 1996. Timber harvest levels on national forests declined by 62 percent between 1986 and 1996, after rising by 63 percent between 1952 and 1963 and then remaining relatively stable until 1986.

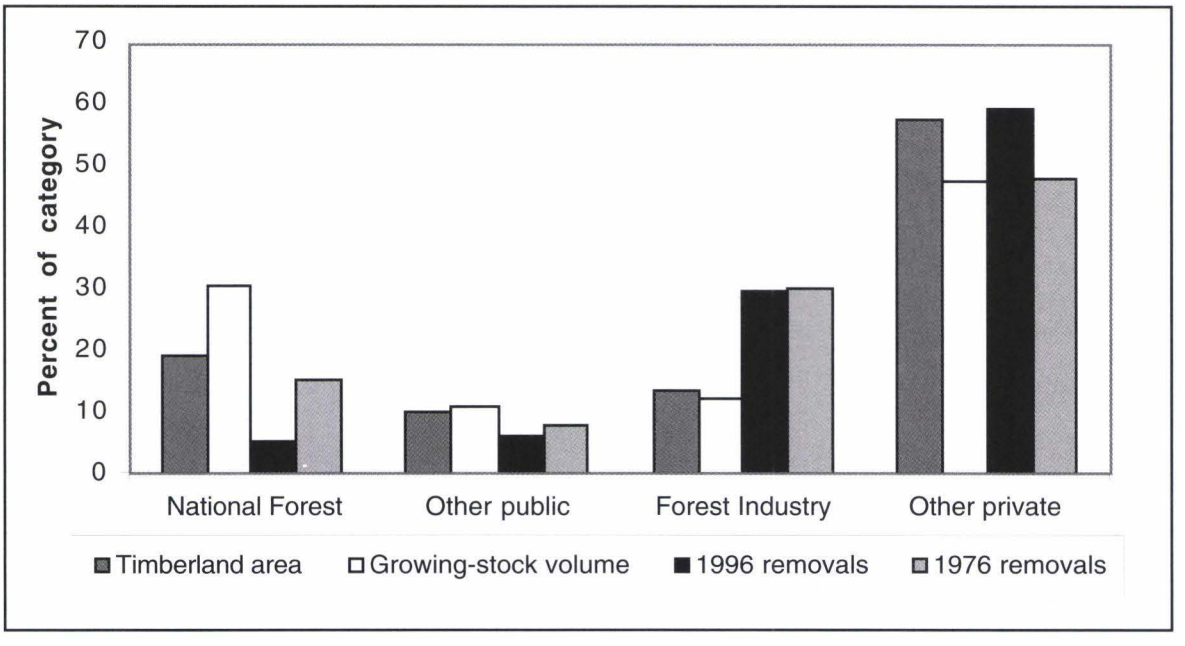


Figure 14 — Proportion of 1997 total timberland area and growing-stock volume compared to 1977 and 1997 harvest volume by ownership group.

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Glossary

Annual mortality—The average annual volume of sound wood in growing-stock trees that died from natural causes during the period between inventories.

Annual removals—The net volume of growing-stock trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing.

Bureau of Land Management (BLM)—An ownership class of Federal lands administered by the Bureau of Land Management, U.S. Department of the Interior.

Coarse materials—Wood residues suitable for chipping, such as slabs, edgings, and trimmings.

Commercial species—Tree species suitable for industrial wood products.

County and municipal—An ownership class of public lands owned by counties or local public agencies, or lands leased by these governmental units for more than 50 years.

Cull tree—A live tree, 12.7 cm in diameter at breast height (d.b.h.) or larger, that is unmerchantable for saw logs now or prospectively because of rot, roughness, or species. (See definitions for rotten and rough trees.)

Diameter breast height (D.b.h.)—The diameter outside bark measured at 1.37 m above the forest floor. D.b.h. is the common abbreviation for diameter at breast height.

Diameter class—A classification of trees based on diameter outside bark measured at breast height (1.37 m above ground).

Federal—An ownership class of public lands owned by the U.S. Government.

Fiber products—Products derived from wood and bark residues, such as pulp, composition board products, and wood chips for export.

Fine materials—Wood residues not suitable for chipping, such as planer shavings and sawdust.

Forest industry—An ownership class of private lands owned by companies or individuals operating wood-using plants.

Forest land—Land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees and forest areas adjacent to urban and built-up lands. Also included are pinyon-juniper and chaparral areas in the West and afforested areas. The minimum area for classification of forest land is 0.4 ha. Roadside, streamside, and shelterbelt strips of timber must have a crown width of at least 37 m to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 37 m wide.

Forest type—A classification of forest land based on the species presently forming a plurality of the live-tree stocking.

Forest type group—A combination of forest types that share closely associated species or site requirements and are generally combined for brevity of reporting.

Major eastern forest type groups:

White-red-jack pine—Forests in which eastern white pine, red pine, or jack pine, singly or in combination, comprise a plurality of the stocking. Common associates include hemlock, aspen, birch, and maple.

Spruce-fir—Forests in which spruce or true firs, singly or in combination, comprise a plurality of the stocking. Common associates include white cedar, tamarack, maple, birch, and hemlock.

Longleaf-slash pine—Forests in which longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. Common associates include other southern pines, oak, and gum.

Loblolly-shortleaf pine—Forests in which loblolly pine, shortleaf pine, or southern yellow pines, except longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. Common associates include oak, hickory, and gum.

Oak-pine—Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking, but in which pine or eastern redcedar comprises 25-50 percent of the stocking. Common associates include gum, hickory, and yellow-poplar.

Oak-hickory—Forests in which upland oaks or hickory, singly or in combination, comprise a plurality of the stocking except where pines comprise 25-50 percent, in which case the stand is classified as oak-pine. Common associates include yellow-poplar, elm, maple, and black walnut.

Oak-gum-cypress—Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprise a plurality of the stocking except where pines comprise 25-50 percent, in which case the stand is classified as oak-pine. Common associates include cottonwood, willow, ash, elm, hackberry, and maple.

Elm-ash-cottonwood—Forests in which elm, ash, or cottonwood, singly or in combination, comprise a plurality of the stocking. Common associates include willow, sycamore, beech, and maple.

Maple-beech-birch—Forests in which maple, beech, or yellow birch, singly or in combination, comprise a plurality of the stocking. Common associates include hemlock, elm, basswood, and white pine.

Aspen-birch—Forests in which aspen, balsam poplar, paper birch, or gray birch, singly or in combination, comprise a plurality of the stocking. Common associates include maple and balsam fir.

Major western forest type groups:

Douglas-fir—Forests in which Douglas-fir comprises a plurality of the stocking. Common associates include western hemlock, western redcedar, the true firs, redwood, ponderosa pine, and larch.

Hemlock-Sitka spruce—Forests in which western hemlock, Sitka spruce, or both comprise a plurality of the stocking. Common associates include Douglas-fir, silver fir, and western redcedar.

Redwood—Forests in which redwood comprises a plurality of the stocking. Common associates include Douglas-fir, grand fir, and tanoak.

Ponderosa pine—Forests in which ponderosa pine comprises a plurality of the stocking. Common associates include Jeffrey pine, sugar pine, limber pine, Arizona pine, Apache pine, Chihuahua pine, Douglas-fir, incense-cedar, and white fir.

Western white pine—Forests in which western white pine comprises a plurality of the stocking. Common associates include western redcedar, larch, white fir, Douglas-fir, lodgepole pine, and Engelmann spruce.

Lodgepole pine—Forests in which lodgepole pine comprises a plurality of the stocking. Common associates include alpine fir, western white pine, Engelmann spruce, aspen, and larch.

Larch—Forests in which western larch comprises a plurality of the stocking. Common associates include Douglas-fir, grand fir, western redcedar, and western white pine.

Fir-spruce—Forests in which true firs, Engelmann spruce, or Colorado blue spruce, singly or in combination, comprise a plurality of the stocking. Common associates include mountain hemlock and lodgepole pine.

Western hardwoods—Forests in which aspen, red alder, or other western hardwoods, singly or in combination, comprise a plurality of the stocking.

Chaparral—Forests of heavily branched, dwarfed trees or shrubs, usually evergreen, the crown canopy of which at maturity covers more than 50 percent of the ground and whose primary value is watershed protection. The more common chaparral constituents are species of *Quercus*, *Cercocarpus*, *Garrya*, *Ceanothus*, *Arctostaphylos*, and *Adenostoma*. Types dominated by such shrubs as *Artemisia*, *Chrysothamnus*, *Purshia*, *Gutierrezia*, or semidesert species are not commonly considered chaparral.

Pinyon-juniper—Forests in which pinyon or juniper, or both, comprise a plurality of the stocking.

Other softwoods—Forests in which other softwood species not mentioned above comprise a plurality of the stocking. These are primarily black spruce forests in interior Alaska.

Fuelwood—Wood used for conversion to some form of energy, primarily residential use.

Growing stock—A classification of timber inventory that includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. When associated with volume, includes only trees 12.7 cm d.b.h. and larger.

Hardwood—A dicotyledonous tree, usually broad-leaved and deciduous.

Industrial wood—All commercial roundwood products except fuelwood.

Land area—The area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river flood plains; streams, sloughs, estuaries, and canals less than 61 m wide; and lakes, reservoirs, and ponds less than 1.8 ha in area.

Live cull—A classification that includes live, cull trees. When associated with volume, it is the net volume in live, cull trees that are 12.7 cm d.b.h. and larger.

Logging residues—The unused portions of growing-stock trees cut or killed by logging and left in the woods.

Lowland forest types—Generally refers to the elm-ash-cottonwood and oak-gum-cypress forest types.

National forest—An ownership class of Federal lands, designated by Executive Order or statute as national forests or purchase units, and other lands under the administration of the Forest Service including experimental areas and Bankhead-Jones Title III lands.

Native American land—(a) Lands held in trust by the United States or individual States for Native American tribes or individual Native Americans; (b) Lands owned in fee by Native American tribes whether subject to Federal or State restrictions against alienation or not.

Net annual growth—The average annual net increase in the volume of trees during the period between inventories. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year.

Net volume in cubic meters— The gross volume in cubic meters less deductions for rot, roughness, and poor form. Volume is computed for the central stem from a 0.3-m stump to a minimum 10-cm top diameter outside bark, or to the point where the central stem breaks into limbs.

Noncommercial species—Tree species of typically small size, poor form, or inferior quality, which normally do not develop into trees suitable for industrial wood products.

Nonforest land—Land that has never supported forests and lands formerly forested where use of timber management is precluded by development for other uses. (Note: Includes area used for crops, improved pasture, residential areas, city parks, improved roads of any width and adjoining clearings, powerline clearings of any width, and 0.4- to 1.8-ha areas of water classified by the Bureau of the Census as land. If intermingled in forest areas, unimproved roads and nonforest strips must be more than 37 m wide, and clearings, etc., must be more than 0.4 ha, to qualify as nonforest land.)

Nonindustrial private—An ownership class of private lands where the owner does not operate wood-using plants.

Non-stocked areas—Timberland less than 10 percent stocked with all live trees.

Other Federal—An ownership class of Federal lands other than those administered by the Forest Service or the Bureau of Land Management. This category includes the National Park Service, Fish and Wildlife Service, Departments of Defense and Energy, and miscellaneous Federal ownerships.

Other forest land—Forest land other than timberland and productive reserved forest land. It includes available and reserved forest land, that is incapable of producing annually 1.4 cubic meters per hectare of industrial wood under natural conditions because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness. Some urban forest land is also included.

Other land—Nonforest land less the area in streams, sloughs, estuaries, and canals between 37 and 61 m wide and lakes, reservoirs, and ponds between 0.4 and 1.8 ha in area.

Other private—An ownership class of private lands that are not owned by forest industry or farmers.

Other products—A miscellaneous category of roundwood products that includes such items as cooperage, pilings, poles, posts, shakes, shingles, board mills, charcoal, and export logs.

Other public—An ownership class that includes all public lands except national forests. This category generally includes State, county, and municipal ownerships.

Other red oaks—A group of species in the genus *Quercus* that includes scarlet oak, northern pin oak, southern red oak, bear oak, shingle oak, laurel oak, blackjack oak, water oak, pin oak, willow oak, and black oak.

Other removals—Unutilized wood volume from cut or otherwise killed growing-stock, from cultural operations such as precommercial thinnings, or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to productive reserved forest land.

Other sources—Sources of roundwood products that are non-growing-stock. These include salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 12.5 cm d.b.h., tops, and roundwood harvested from nonforest land (for example, fence rows).

Other white oaks—A group of species in the genus *Quercus* that includes overcup oak, chestnut oak, and post oak.

Ownership—The property owned by one ownership unit, including all parcels of land in the United States.

Ownership unit—A classification of ownership encompassing all types of legal entities having an ownership interest in land, regardless of the number of people involved. A unit may be an individual; a combination of persons; a legal entity such as a corporation, partnership, club, or trust; or a public agency. An ownership unit has control of a parcel or group of parcels of land.

Planted forest—Planted forests are areas deemed to be forest by RPA definition and made up of at least 40 percent planted trees of either native or exotic species. Planted forests may be divided into two groups:

> **Plantations**—Forest stands consisting almost exclusively of planted trees, of native or exotic species, and intensively managed to maintain this composition to maturity. Management practices may include extensive site preparation prior to planting and suppression of competing vegetation.
>
> **Augmented forest**—Forest stands consisting of at least 40 percent planted trees, of native or exotic species, but not intensively managed to assure dominance of these trees in the stand at maturity. Management practices may include suppression of competing vegetation at the time of planting.

Poletimber trees—Live trees at least 12.7 cm in d.b.h., but smaller than sawtimber trees.

Primary wood-using mill—A mill that converts roundwood products into other wood products. Common examples are sawmills that convert saw logs into lumber and pulpmills that convert pulpwood into wood pulp.

Productivity class—A classification of forest land in terms of potential annual cubic-meters volume growth per hectare at culmination of mean annual increment in fully stocked natural stands.

Pulpwood—Roundwood, whole-tree chips, or wood residues that are used for the production of wood pulp.

Reserved forest land—Forest land withdrawn from timber utilization through statute, administrative regulation, or designation without regard to productive status.

Residues—Bark and woody materials that are generated in primary wood-using mills when roundwood products are converted to other products. Examples are slabs, edgings, trimmings, miscuts, sawdust, shavings, veneer cores and clippings, and pulp screenings. Includes bark residues and wood residues (both coarse and fine materials) but excludes logging residues.

Rotten tree—A live tree of commercial species that does not contain a saw log now or prospectively primarily because of rot (that is, when rot accounts for more than 50 percent of the total cull volume).

Rough tree—(a) A live tree of commercial species that does not contain a saw log now or prospectively primarily because of roughness (that is, when sound cull due to such factors as poor form, splits, or cracks accounts for more than 50 percent of the total cull volume) or (b) a live tree of noncommercial species.

Roundwood products—Logs, bolts, and other round timber generated from harvesting trees for industrial or consumer use.

Rural-urban continuum—A classification of U.S. counties by urban characteristic as described by Butler and Beale (1993). Classes are generically defined as follows:

> **Metropolitan counties**
>
> *Major metro- Central:* Central counties of metropolitan areas of 1 million population or more

Major metro- Fringe: Fringe counties of metropolitan areas of 1 million population or more
Intermediate metro: Counties in metropolitan areas of 250,000 - 1,000,000 population
Small metro: Counties in metropolitan areas of less than 250,000 population

Nonmetropolitan counties

Large town metro: Urban population of 20,000 or more, adjacent to a metropolitan area
Large town nonmetro: Urban population of 20,000 or more, not adjacent to a metropolitan area
Small town metro: Urban population of 2,500 - 19,999, adjacent to a metropolitan area
Small town nonmetro: Urban population of 2,500 - 19,999, not adjacent to a metropolitan area
Rural metro: Completely rural (no places with a population of 2,500 or more) adjacent to a metropolitan area
Rural nonmetro: Completely rural (no places with a population of 2,500 or more) not adjacent to a metropolitan area

Salvable dead tree—A downed or standing dead tree that is considered currently or potentially merchantable by regional standards.

Saplings—Live trees 2.5 through 12.6 cm d.b.h.

Saw log—A log meeting minimum standards of diameter, length, and defect, including logs at least 2.4 m long, sound and straight, and with a minimum diameter inside bark of 15 cm for softwoods and 20 cm for hardwoods, or meeting other combinations of size and defect specified by regional standards.

Sawtimber—A classification of timber inventory that is composed of sawtimber trees of commercial species.

Sawtimber trees—Live trees containing at least one 3.7-m saw log or two noncontiguous 2.4-m logs, and meeting regional specifications for freedom from defect. Softwood trees must be at least 23 cm d.b.h., and hardwood trees must be at least 28 cm d.b.h.

Seedlings—Live trees less than 2.5 cm d.b.h. and at least 0.3 m in height.

Select red oaks—A group of species in the genus *Quercus* that includes cherrybark oak, northern red oak, and Shumard oak.

Select white oaks—A group of species in the genus *Quercus* that includes white oak, swamp white oak, bur oak, swamp chestnut oak, and chinkapin oak.

Softwood—A coniferous tree, usually evergreen, having needles or scale-like leaves.

Sound dead—The net volume in salvable dead trees.

Stand-size class—A classification of forest land based on the size class of all live trees in the area. The classes include:

Nonstocked stands—Forest land that is stocked with less than 10 percent of full stocking with all live trees. Examples are recently cut-over areas or reverting agricultural fields.

Seedling-sapling stands—Forest land that is stocked with at least 10 percent of full stocking with all live trees with half or more of such stocking in seedlings or saplings or both.

Poletimber stands—Forest land that is stocked with at least 10 percent of full stocking with all live trees with half or more of such stocking in poletimber or sawtimber trees or both, and in which the stocking of poletimber exceeds that of sawtimber.

Sawtimber stands—Forest land that is stocked with at least 10 percent of full stocking with all live trees with half or more of such stocking in poletimber or sawtimber trees or both, and in which the stocking of sawtimber is at least equal to that of poletimber.

State—An ownership class of public lands owned by States or lands leased by States for more than 50 years.

Stocking—The degree of occupancy of land by trees, measured by basal area or number of trees by size and spacing, or both, compared to a stocking standard; that is, the basal area or number of trees, or both, required to fully utilize the growth potential of the land.

Timberland—Forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation. (Note: Areas qualifying as timberland are capable of producing in excess of 1.4 cubic meters per hectare per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included.)

Tops—The wood of a tree above the merchantable height (or above the point on the stem 10 cm diameter outside bark [d.o.b.]). It includes the usable material in the uppermost stem.

Unreserved forest land—Forest land that is not withdrawn from harvest by statute or administrative regulation. Includes forest lands that are not capable of producing in excess of 1.4 cubic meters per hectare per year of industrial wood in natural stands.

Veneer log—A roundwood product from which veneer is sliced or sawn and that usually meets certain standards of minimum diameter and length and maximum defect.

Weight—The weight of wood and bark, oven-dry basis (approximately 12 percent moisture content).

Xerophytic plants—Plants growing where soil moisture conditions are very dry most of the time.

Appendix A: Procedures for the Update

Timing of Inventory Data

The tables in this report are dated 1997 for area and volume and 1996 for growth, mortality, and removals. These dates are used as nominal dates for national reporting. Actual inventory for a particular State is the most recent inventory available and may not have been collected in 1996-97. Until recently, forest inventory in the United States has been a cyclic process with new inventories conducted in each State every 10-12 years. When national statistics are compiled these data are updated to the extent possible. Tables in this appendix describe when the inventories actually occurred and whether they have been updated for this report.

Adjustments to Historic Inventory Data

Historic data presented in this report for previous national assessments may be adjusted from those found in the original publications. Generally, this is due to changes in data classifications, regional reporting boundaries, or occasionally when data are deemed to be inaccurate due to errors in reporting.

The Database

In 1987, the first national database was developed for the assessment. It was a summary database that placed all inventory data in a common format at the State/owner level of resolution. In 1992, the summary database was made available online. For 1997, standard Eastwide and Westwide data files were used wherever possible as a basis for county-level summary.

The complete RPA logical database for 1997 is composed of four physical databases. The first two physical databases are the Eastwide and Westwide standard databases. Eastwide databases are available for all States in the North and South and are summarized to compile the county-level data in the national summary database. Westwide standard files are available for all non-NFS lands in the West except Alaska and Hawaii and for NFS lands in Oregon, Washington, Utah, and Arizona. The remaining areas compiled multi-county summary data from historic inventory records. The third database is the national timber products output database composed of data from surveys of primary wood-using facilities (sawmills, pulpmills, veneer mills, chip mills, etc.) as well as residential fuelwood and post producers (Smith 1991, May 1998). This database provides county-level removals data for the United States. The fourth database is the national summary database that draws upon each of the other physical databases as well as "value-added" data from the Bureau of the Census such as total county land area, county latitude and longitude envelope, and population. The national summary database is available via the Internet and can provide data at the county level for most of the United States. The exceptions to this general rule are areas of the interior West and Alaska where data are stored in multi-county groups.

For more information on these databases, log on to http://fia.fs.fed.us. Further information on data collection procedures is available from the USDA Forest Service Research Stations and Regions listed in tables A-1 and A-2.

Appendix Table A-1. Addresses of USDA Forest Service Research Stations with responsibilities for forest inventories in the United States and their areas of responsibility[a]

Address	Areas of responsibility
Northeastern Research Station 11 Campus Boulevard Newtown Square, PA 19073	Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and West Virginia
North Central Research Station 1992 Folwell Avenue St. Paul, MN 55108	Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, and Wisconsin
Southern Research Station 200 Weaver Blvd. P.O. Box 2680 Asheville, NC 28802	Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and Puerto Rico
Pacific Northwest Research Station P.O. Box 3890 Portland, OR 97208	Alaska, California, Hawaii, Oregon, and Washington
Rocky Mountain Research Station Natural Resources Research Center 2150 Centre Avenue, Building A Fort Collins, CO 80526-2098	Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming

[a] *For additional information, visit the Forest Inventory and Analysis Web site: www.fia.fs.fed.us.*

Appendix Table A-2. Addresses of National Forest System regional offices in the United States

Address	Region	Location of National Forests
Forest Service, USDA Northern Region Federal Building P.O. Box 7669 Missoula, MT 59807	Region 1	Montana, northern Idaho, North Dakota, and northwestern South Dakota
Forest Service, USDA Rocky Mountain Region 11177 West 8th Avenue P.O. Box 25127 Lakewood, CO 80225	Region 2	Colorado, Kansas, Nebraska, South Dakota, and eastern Wyoming
Forest Service, USDA Southwestern Region Federal Building 517 Gold Avenue S.W. Albuquerque, NM 87102	Region 3	Arizona and New Mexico
Forest Service, USDA Intermountain Region Federal Building 324 25th Street Ogden, UT 84401	Region 4	Southern Idaho, Nevada, Utah, and western Wyoming
Forest Service, USDA Pacific Southwest Region 1323 Club Drive Vallejo, CA 94592	Region 5	California
Forest Service, USDA Pacific Northwest Region 333 S.W. 1st Avenue P.O. Box 3623 Portland, OR 97208	Region 6	Oregon and Washington
Forest Service, USDA Southern Region 1720 Peachtree Road, N.W. Atlanta, GA 30309	Region 8	Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, Tennessee, Texas, Virginia, West Virginia, and Puerto Rico
Forest Service, USDA Eastern Region 310 West Wisconsin Avenue Room 580 Milwaukee, WI 53203	Region 9	Connecticut, Delaware, Illinois, Indiana, Iowa Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Hampshire, New Jersey New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia, and Wisconsin
Forest Service, USDA Alaska Region P.O. Box 21628 Juneau, AK 99802-1628	Region 10	Alaska

For additional information, contact the Internet sites for the regional offices through the USDA Forest Service homepage: http://www.fs.fed.us. Timber inventories are managed by the forest management staff in each regional office.

Some inventories reported in this document were not actually conducted in 1996-1997, but rather data were collected periodically. A full accounting of the inventory status for national forests, States (non-national forest), and timber products output data found in this report is provided in this appendix.

Appendix Table A-3. Dates of source data for RPA inventory and removals statistics

	Forest inventory data		Timber Products Output (removals) data			
Region/State	Non-NFS lands	NFS lands	Pulpwood	Saw logs/ Veneer	Fuelwood	Other products
Northeast:						
Connecticut	1985		1996	1984*u*	1984	1984*u*
Delaware	1986		1996	1985*u*	1985	1985*u*
Maine	1995	1995	1996	1995	1995	1995
Maryland	1986	1986	1996	1985*u*	1985	1985*u*
Massachusetts	1985	1985	1996	1984*u*	1984	1984*u*
New Hampshire	1997	1997	1996	1996	1996	1996
New Jersey	1986		1996	1986*u*	1986	1986*u*
New York	1993	1995	1996	1993*u*	1993	1993*u*
Pennsylvania	1989	1995	1996	1988*u*	1988	1988*u*
Rhode Island	1985	1985	1996	1984*u*	1984	1984*u*
Vermont	1997	1997	1996	1996	1996	1996
West Virginia	1989	1995	1996	1994*u*	1994	1994*u*
North Central:						
Illinois	1985	1985	1996	1996	1985*u*	1996
Indiana	1997	1997	1996	1995	1996	1995
Iowa	1990		1996	1994	1995	1994
Michigan	1993	1993	1996	1994	1992	1994
Minnesota	1990	1990	1996	1992	1988*u*	1992
Missouri	1989	1989	1996	1994	1987*u*	1994
Ohio	1994	1995	1996	1989*u*	1989	1989*u*
Wisconsin	1996	1996	1996	1994	1994	1994
Southeast:						
Florida	1995	1995	1995	1995	1981*u*	1995
Georgia	1997	1997	1995	1995	1981*u*	1995
North Carolina	1990	1990	1995	1995	1981*u*	1995
South Carolina	1993	1993	1995	1995	1981*u*	1995
Virginia	1992	1992	1995	1995	1981*u*	1995
South Central:						
Alabama	1990	1990	1995	1995	1981*u*	1995
Arkansas	1995	1995	1996	1996	1981*u*	1996
Kentucky	1988	1988	1995	1995	1981*u*	1995
Louisiana	1991	1991	1996	1996	1981*u*	1996
Mississippi	1994	1994	1995	1995	1981*u*	1995
Oklahoma	1989-93	1993	1996	1996	1981*u*	1996
Tennessee	1989	1989	1995	1995	1981*u*	1995
Texas	1992	1992	1994	1994	1981*u*	1994

(continued on next page)

(Appendix Table A-3 continued)

Region/State	Forest inventory data: Non-NFS lands	Forest inventory data: NFS lands	Timber Products Output (removals) data: Pulpwood	Saw logs/ Veneer	Fuelwood	Other products
Great Plains:						
Kansas	1990		1996	1993	1994	1993
Nebraska	1994	1994	1996	1993	1994	1993
North Dakota	1994	1994	1996	1993	1994	1993
South Dakota	1996	1986*u*	1996	1993	1994	1993
Intermountain:						
Arizona	1985	1996	1995	1995	1984	1995
Colorado	1983	1981-88*u*	1996	1996	1982	1996
Idaho	1990	1990-95*u*	1995	1995	1990	1995
Montana	1988	1995	1993*u*	1993*u*	1989	1993*u*
Nevada	1989*u*	1987*u*	1996	1996	1996	1996
New Mexico	1987	1987	1995	1995	1986	1995
Utah	1993	1993	1992	1992	1992	1992
Wyoming	1984	1985-93*u*	1996	1996	1983*u*	1996
Pacific Northwest:						
Alaska	1977-94	1978-85	1995	1995	1982*u*	1995
Oregon	1992	1994-96	1994	1994	1994	1994
Washington	1988-91	1995	1996	1996	1996	1996
Pacific Southwest:						
California	1994	1995	1994	1994	1994	1994
Hawaii	1985		1995	1995	1995	1995

u = source data updated to 1996 for reporting.

Accuracy of the Data

All of the data for the national assessment of forests are collected under the guidance of the USDA Forest Service and compiled by the agency's Forest Inventory and Analysis (FIA) program. All data are collected by the FIA program in cooperation with State forestry agencies or National Forest System (NFS) regions.

Inventories conducted by FIA are designed to meet the following statistical guidelines for accuracy within one standard deviation at the 67 percent confidence level for each State:

+/- 1 percent per million hectares of timberland
+/- 3 percent per million hectares of all other forest land
+/- 1 percent per billion cubic meters of growing-stock volume on timberland
+/- 2 percent per billion cubic meters of growing-stock growth
+/- 3 percent per billion cubic meters of growing-stock mortality
+/- 3 percent per billion cubic meters of growing-stock removals

Since these guidelines are applied at the State level, the accuracy of data for any national or regional total for these categories will be improved.

Inventories conducted historically on NFS lands would have similar accuracy estimates in the Eastern United States and Alaska where FIA conducted these inventories. In other NFS regions, regional inventory data were converted to emulate FIA classifications and thus specific accuracy estimates are difficult to derive. Overall, historic NFS data are presumed to have similar error characteristics except where errors of omission may have occurred.

Appendix B: Equivalents for Various Units of Measure

Metric to English

1 hectare = 2.47 acres
1 cubic meter = 35.34 cubic feet
1 centimeter = 0.39 inch
1 meter = 3.28 feet
1 kilometer = 0.62 mile
1 square meter = 10.76 square feet
1 metric ton = 1.1 ton
Breast height = 4.5 feet (1.37 meters) above ground level

English to Metric

1 acre = 0.404686 hectares
1 cubic foot = 0.028317 cubic meters
1 inch = 2.54 centimeters or 0.0254 meters
1 foot = 30.48 centimeters or 0.3048 meters
1 mile = 1.609 kilometers
1 square foot = 0.0929 square meters
1 ton = 0.90718 metric tons
Breast height = 1.37 meters (4.5 feet) above ground level

Appendix C: Common and Scientific Names of Major Tree Species

Common name	Scientific name
Eastern Softwoods:	
True firs	*Abies* Mill.
Balsam fir	*A. balsamea* (L.) Mill.
Fraser fir	*A. fraseri* (Pursh) Poir.
Eastern redcedar	*Juniperus virginiana* L.
Tamarack	*Larix laricina* (Du Roi) K. Koch
Spruce	*Picea* A. Dietr.
Jack pine	*Pinus banksiana* Lamb.
Shortleaf pine	*P. echinata* Mill.
Slash pine	*P. elliottii* Engelm.
Longleaf pine	*P. palustris* Mill.
Red pine	*P. resinosa* Ait.
Eastern white pine	*P. strobus* L.
Loblolly pine	*P. taeda* L.
Baldcypress	*Taxodium* Rich.
Northern white-cedar	*Thuja occidentalis* L.
Eastern hemlock	*Tsuga canadensis* (L.) Carr.
Eastern Hardwoods:	
Maple	*Acer* L.
Red (soft) maple	*A. rubrum* L.
Sugar (hard) maple	*A. saccharum* Marsh.
Birch	*Betula* L.
Yellow birch	*B. alleghaniensis* Britton
Paper birch	*B. papyrifera* Marsh.
Gray birch	*B. populifolia* Marsh.
Hackberry	*Celtis occidentalis* L.
American beech	*Fagus grandifolia* Ehrh.
Ash	*Fraxinus* L.
Black walnut	*Juglans nigra* L.
Sweetgum	*Liquidambar styraciflua* L.
Yellow-poplar	*Liriodendron tulipifera* L.
Tupelo, gum	*Nyssa* L.
Black tupelo	*N. sylvatica* Marsh. var. *sylvatica*
Sycamore	*Platanus occidentalis* L.
Aspen	*Populus* L.
Balsam poplar	*P. balsamifera* L.
Eastern cottonwood	*P. deltoides* Bartr. ex Marsh.
Black cherry	*Prunus serotina* Ehrh.
Oak	*Quercus* L.
White oak	*Q. alba* L.
Swamp white oak	*Q. bicolor* Willd.
Scarlet oak	*Q. coccinea* Muenchh.
Northern pin oak	*Q. ellipsoidalis* E. J. Hill
Southern red oak	*Q. falcata* Michx.
Cherrybark oak	*Q. falcata* var. *pagodifolia* Ell.
Bear oak	*Q. ilicifolia* Wangenh.
Shingle oak	*Q. imbricaria* Michx.
Overcup oak	*Q. lyrata* Walt.
Bur oak	*Q. macrocarpa* Michx.
Blackjack oak	*Q. marilandica* Muenchh.
Swamp chestnut oak	*Q. michauxii* Nutt.
Chinkapin oak	*Q. muehlenbergii* Engelm.
Water oak	*Q. nigra* L.
Pin oak	*Q. palustris* Muenchh.
Willow oak	*Q. phellos* L.
Chestnut oak	*Q. prinus* L.
Northern red oak	*Q. rubra* L.
Shumard oak	*Q. shumardii* Buckl.
Post oak	*Q. stellata* Wangenh. var. *stellata*
Black oak	*Q. velutina* Lam.
Willow	*Salix* L.
Basswood	*Tilia* L.
Elm	*Ulmus* L.
Western Softwoods:	
True firs	*Abies* Mill.
Pacific silver fir	*A. amabilis* Dougl. ex Forbes
White fir	*A. concolor* (Gord. & Glend.) Lindl. ex Hildebr.
Grand fir	*A. grandis* (Dougl. ex D. Don) Lindl.
Subalpine fir	*A. lasiocarpa* (Hook.) Nutt.
Juniper	*Juniperus* L.
Incense-cedar	*Libocedrus decurrens* Torr.
Engelmann spruce	*Picea engelmannii* Parry ex Engelm.
Blue spruce	*P. pungens* Engelm.
Sitka spruce	*P. sitchensis* (Bong.) Carr.
Lodgepole pine	*Pinus contorta* Dougl. ex Loud.
Pinyon pine	*P. edulis* Engelm.
Apache pine	*P. engelmannii* Carr.
Limber pine	*P. flexilis* James
Jeffrey pine	*P. jeffreyi* Grev. & Balf.
Sugar pine	*P. lambertiana* Dougl.
Chihuahua pine	*P. leiophylla* var. *chihuahuana* (Engelm.) Shaw
Western white pine	*P. monticola* Dougl. ex D. Don
Ponderosa pine	*P. ponderosa* Dougl. ex Laws.
Arizona pine	*P. ponderosa* var. *arizonica* (Engelm.) Shaw
Douglas-fir	*Pseudotsuga menziesii* (Mirb.) Franco
Redwood	*Sequoia sempervirens* (D. Don) Endl.
Western redcedar	*Thuja plicata* Donn ex D. Don
Western hemlock	*Tsuga heterophylla* (Raf.) Sarg.
Mountain hemlock	*T. mertensiana* (Bong.) Carr.
Western Hardwoods:	
Red alder	*Alnus rubra* Bong.
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Source: Little 1979.

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Region, subregion, and State	Total land area	Land class				
		Total forest land	Forest land			Other land
			Timberland	Reserved[a]	Other[b]	
	Thousand hectares					
North:						
Northeast:						
Connecticut	1,255	754	734	9	10	501
Delaware	506	158	152	1	4	349
Maine	7,994	7,167	6,861	140	167	827
Maryland	2,548	1,093	981	62	50	1,455
Massachusetts	2,030	1,321	1,200	60	61	709
New Hampshire	2,323	2,005	1,842	47	116	318
New Jersey	1,922	806	754	43	9	1,116
New York	12,231	7,520	6,235	1,195	90	4,712
Pennsylvania	11,609	6,841	6,416	337	88	4,767
Rhode Island	271	166	144	3	18	105
Vermont	2,396	1,865	1,805	37	22	531
West Virginia	6,239	4,900	4,816	73	11	1,339
Total	51,323	34,595	31,940	2,009	647	16,728
North Central:						
Illinois	14,399	1,738	1,642	96	0	12,661
Indiana	9,291	1,822	1,757	64	0	7,469
Iowa	14,472	830	787	36	8	13,642
Michigan	14,714	7,825	7,555	234	37	6,889
Minnesota	20,621	6,797	5,997	460	341	13,824
Missouri	17,845	5,685	5,427	131	126	12,160
Ohio	10,607	3,179	3,063	57	60	7,428
Wisconsin	14,068	6,460	6,354	82	25	7,607
Total	116,017	34,335	32,582	1,158	595	81,681
North Total:	167,340	68,931	64,523	3,167	1,241	98,409
South:						
Southeast:						
Florida	13,970	6,578	5,911	243	424	7,392
Georgia	15,001	9,880	9,630	241	9	5,122
North Carolina	12,618	7,810	7,543	249	18	4,809
South Carolina	7,799	5,120	5,026	94	0	2,679
Virginia	10,256	6,494	6,210	265	19	3,762
Total	59,645	35,882	34,320	1,092	470	23,763
South Central:						
Alabama	13,145	8,889	8,868	21	0	4,256
Arkansas	13,488	7,604	7,443	94	67	5,884
Kentucky	10,291	5,133	4,997	124	13	5,158
Louisiana	11,284	5,578	5,542	36	0	5,706
Mississippi	12,151	7,526	7,522	3	0	4,625
Oklahoma	17,788	3,102	2,523	18	561	14,686
Tennessee	10,676	5,505	5,368	136	0	5,171
Texas	67,838	7,428	4,762	54	2,612	60,410
Total	156,661	50,765	47,024	486	3,254	105,896
South Total:	216,306	86,646	81,344	1,578	3,724	129,660

Table 1—(continued).

Region, subregion, and State	Total land area	Land class: Forest land: Total forest land	Land class: Forest land: Timberland	Land class: Forest land: Reserved[a]	Land class: Forest land: Other[b]	Land class: Other land
	Thousand hectares					
Rocky Mountain:						
Great Plains:						
Kansas	21,193	625	603	7	15	20,568
Nebraska	19,912	383	363	13	7	19,529
North Dakota	17,870	273	179	0	94	17,598
South Dakota	19,657	660	602	9	50	18,996
Total	78,632	1,942	1,747	29	166	76,690
Intermountain:						
Arizona	29,434	8,064	1,648	717	5,699	21,370
Colorado	26,867	8,608	4,676	974	2,957	18,259
Idaho	21,433	8,878	6,930	1,428	520	12,555
Montana	37,700	9,402	7,756	1,465	181	28,298
Nevada	28,441	4,018	68	279	3,671	24,423
New Mexico	31,435	6,275	1,956	575	3,744	25,160
Utah	21,282	6,356	1,902	312	4,142	14,926
Wyoming	25,151	4,429	2,058	1,579	792	20,722
Total	221,742	56,029	26,994	7,328	21,707	165,713
Rocky Mountain Total:	300,374	57,971	28,741	7,357	21,873	242,403
Pacific Coast:						
Alaska:						
Alaska	147,731	51,551	5,016	3,981	42,553	96,181
Total	147,731	51,551	5,016	3,981	42,553	96,181
Pacific Northwest:						
Oregon	24,866	12,028	9,611	1,005	1,412	12,838
Washington	17,245	8,860	7,049	1,414	396	8,386
Total	42,112	20,888	16,660	2,419	1,809	21,224
Pacific Southwest:						
California	40,399	15,600	7,265	2,415	5,920	24,798
Hawaii	1,664	708	283	79	345	956
Total	42,062	16,308	7,548	2,495	6,265	25,755
Pacific Coast Total:	231,905	88,746	29,225	8,894	50,627	143,160
United States:	915,925	302,294	203,833	20,997	77,464	613,631

[a] For 1997, Reserved Forest includes lands previously classified as unproductive reserved and tabulated under the Other Forest category.

[b] For 1997, Other Forest no longer includes lands classified as unproductive reserved. This area, amounting to about 4.9 million hectares in 1987, is now included in the Reserved Forest category.

Note: Data may not add to totals because of rounding.

Table 2—Forest land area in the United States by ownership, region, subregion, and State, 1997

Region, subregion, and State	All ownerships	Public							Private[a]		
			Federal								
		Total public	Total Federal	National forest	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
	Thousand hectares										
North:											
Northeast:											
Connecticut	754	110	5	0	0	5	73	32	644	0	644
Delaware	158	7	1	0	0	1	6	0	151	13	138
Maine	7,167	396	51	20	0	31	299	47	6,771	3,014	3,757
Maryland	1,093	176	30	0	0	30	136	9	917	56	862
Massachusetts	1,321	260	28	0	0	28	138	94	1,061	29	1,033
New Hampshire	2,005	442	295	286	0	9	96	51	1,563	210	1,353
New Jersey	806	245	39	0	0	39	155	51	561	0	561
New York	7,520	1,670	44	4	0	40	1,473	153	5,849	496	5,354
Pennsylvania	6,841	1,782	237	186	0	51	1,428	116	5,059	248	4,811
Rhode Island	166	38	2	0	0	2	36	1	127	0	127
Vermont	1,865	294	141	128	0	12	125	28	1,570	92	1,478
West Virginia	4,900	615	471	405	0	66	126	18	4,285	359	3,926
Total	34,595	6,036	1,344	1,030	0	314	4,090	602	28,560	4,516	24,044
North Central:											
Illinois	1,738	262	139	112	0	27	72	51	1,476	5	1,471
Indiana	1,822	312	172	77	0	95	131	9	1,510	7	1,503
Iowa	830	99	30	0	0	30	51	17	731	0	731
Michigan	7,825	2,912	1,209	1,108	0	101	1,597	107	4,912	615	4,297
Minnesota	6,797	3,847	1,242	1,109	12	121	1,527	1,078	2,950	308	2,642
Missouri	5,685	980	740	600	0	140	211	28	4,705	90	4,615
Ohio	3,179	279	97	87	0	10	119	63	2,900	71	2,829
Wisconsin	6,460	1,929	665	575	0	90	333	931	4,531	447	4,084
Total	34,335	10,620	4,295	3,668	12	615	4,042	2,284	23,715	1,544	22,172
North Total:	68,931	16,656	5,639	4,698	12	929	8,132	2,885	52,275	6,059	46,216
South:											
Southeast:											
Florida	6,578	1,658	1,002	461	0	541	616	39	4,920	1,626	3,294
Georgia	9,880	957	775	349	0	426	136	46	8,923	1,773	7,150
North Carolina	7,810	1,021	810	498	0	312	177	34	6,788	911	5,877
South Carolina	5,120	530	397	242	0	155	112	22	4,590	940	3,650
Virginia	6,494	1,044	895	664	0	231	109	40	5,450	622	4,828
Total	35,882	5,210	3,879	2,214	0	1,665	1,150	181	30,671	5,873	24,799
South Central:											
Alabama	8,889	479	352	251	0	101	88	39	8,410	1,941	6,469
Arkansas	7,604	1,429	1,238	1,003	0	235	163	27	6,176	1,820	4,356
Kentucky	5,133	533	446	261	0	185	86	0	4,601	83	4,518
Louisiana	5,578	528	322	229	0	93	121	84	5,050	1,578	3,472
Mississippi	7,526	787	621	445	0	176	126	40	6,739	1,311	5,427
Oklahoma	3,102	266	199	96	0	103	56	11	2,836	425	2,411
Tennessee	5,505	745	440	250	0	191	280	24	4,760	454	4,306
Texas	7,428	368	319	246	0	73	30	19	7,060	1,505	5,555
Total	50,765	5,133	3,937	2,780	0	1,157	951	244	45,632	9,117	36,515
South Total:	86,646	10,343	7,816	4,994	0	2,822	2,102	425	76,303	14,990	61,313

Table 2—(continued).

Region, subregion, and State	All ownerships	Public							Private[a]		
			Federal								
		Total public	Total Federal	National forest	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
					Thousand hectares						
Rocky Mountain:											
Great Plains:											
Kansas	625	44	26	0	0	26	13	5	581	0	581
Nebraska	383	54	21	19	0	2	29	4	330	0	330
North Dakota	273	94	80	74	1	6	14	0	179	0	179
South Dakota	660	435	408	402	2	3	27	0	225	0	225
Total	1,942	627	536	495	3	38	82	10	1,315	0	1,315
Intermountain:											
Arizona	8,064	4,740	4,263	3,459	481	324	471	5	3,324	5	3,319
Colorado	8,608	6,205	5,963	4,102	1,663	198	209	32	2,403	0	2,403
Idaho	8,878	7,506	7,024	6,644	361	19	472	10	1,372	520	852
Montana	9,402	6,866	6,562	5,889	331	342	301	3	2,536	655	1,881
Nevada	4,018	3,783	3,777	1,120	2,539	117	7	0	235	10	225
New Mexico	6,275	3,830	3,469	2,990	424	55	355	5	2,445	0	2,445
Utah	6,356	5,245	4,833	2,280	2,458	95	407	6	1,111	0	1,111
Wyoming	4,429	3,629	3,517	2,354	406	756	112	0	800	0	800
Total	56,029	41,803	39,407	28,837	8,664	1,906	2,335	61	14,226	1,190	13,037
Rocky Mountain Total:	57,971	42,430	39,943	29,332	8,667	1,944	2,417	71	15,541	1,190	14,351
Pacific Coast:											
Alaska:											
Alaska	51,551	37,032	27,013	4,553	8,592	13,868	10,011	8	14,518	0	14,518
Total	51,551	37,032	27,013	4,553	8,592	13,868	10,011	8	14,518	0	14,518
Pacific Northwest:											
Oregon	12,028	7,667	7,212	5,793	1,341	78	377	77	4,361	2,141	2,220
Washington	8,860	4,889	3,861	3,253	20	588	919	109	3,971	1,742	2,228
Total	20,888	12,556	11,074	9,046	1,362	666	1,296	186	8,331	3,883	4,448
Pacific Southwest:											
California	15,600	8,820	8,359	6,778	915	666	299	162	6,780	1,271	5,509
Hawaii	708	240	5	0	0	5	232	3	467	0	467
Total	16,308	9,060	8,364	6,778	915	671	531	165	7,248	1,271	5,977
Pacific Coast Total:	88,746	58,648	46,451	20,377	10,868	15,206	11,838	360	30,097	5,154	24,943
United States:	302,294	128,078	99,848	59,401	19,547	20,901	24,488	3,741	174,216	27,393	146,823

[a] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 3—Forest area in the United States[a] by region, subregion, and State, 1997, 1987, 1977, 1963, 1953, 1938, 1907, and 1630

Region, subregion, and State	1997	1987[b]	1977[c]	1963[d]	1953[e]	1938[f]	1907[g]	1630[h]
				Thousand hectares				
North:								
Northeast:								
Connecticut	754	735	753	773	805	732	648	1,186
Delaware	158	161	159	159	184	171	142	457
Maine	7,167	7,168	7,170	7,052	6,916	6,490	6,030	7,357
Maryland	1,093	1,065	1,074	1,182	1,182	1,050	890	2,319
Massachusetts	1,321	1,253	1,195	1,242	1,331	1,329	809	1,874
New Hampshire	2,005	2,032	2,029	2,031	1,962	1,888	1,416	2,222
New Jersey	806	803	780	960	849	873	809	1,752
New York	7,520	7,598	7,438	6,421	5,848	5,391	4,856	11,109
Pennsylvania	6,841	6,879	6,809	6,672	5,992	5,644	3,723	11,032
Rhode Island	166	161	163	176	176	146	101	263
Vermont	1,865	1,825	1,826	1,712	1,562	1,436	1,012	2,246
West Virginia	4,900	4,833	4,722	4,642	4,179	4,077	3,683	5,913
Total	34,595	34,514	34,120	33,020	30,985	29,226	24,120	47,730
North Central:								
Illinois	1,738	1,726	1,680	1,677	1,574	1,457	1,012	5,587
Indiana	1,822	1,796	1,596	1,626	1,660	1,449	1,619	7,900
Iowa	830	632	632	1,060	1,052	1,032	1,012	2,161
Michigan	7,825	7,374	7,564	7,972	7,929	7,719	6,273	13,400
Minnesota	6,797	6,711	6,762	7,043	7,214	7,938	6,273	12,748
Missouri	5,685	5,068	5,211	6,190	6,142	6,556	7,406	10,680
Ohio	3,179	2,958	2,848	2,465	2,226	2,068	1,943	9,498
Wisconsin	6,460	6,200	6,033	6,024	6,297	6,858	6,475	10,733
Total	34,335	32,465	32,326	34,058	34,095	35,077	32,012	72,706
North Total:	68,931	66,979	66,446	67,078	65,079	64,303	56,132	120,437
South:								
Southeast:								
Florida	6,578	6,767	6,896	7,710	8,425	8,798	9,765	12,076
Georgia	9,880	9,788	9,938	10,670	9,736	8,674	9,025	14,448
North Carolina	7,810	7,803	8,059	8,362	8,140	7,446	7,932	11,991
South Carolina	5,120	4,960	5,087	4,958	4,833	4,332	4,856	7,111
Virginia	6,494	6,519	6,632	6,642	6,488	6,003	5,666	9,907
Total	35,882	35,838	36,611	38,341	37,622	35,253	37,244	55,533
South Central:								
Alabama	8,889	8,792	8,711	8,810	8,406	7,640	8,094	11,955
Arkansas	7,604	6,875	6,820	8,115	7,965	8,484	9,794	12,926
Kentucky	5,133	4,960	4,922	4,772	4,714	4,673	4,047	9,365
Louisiana	5,578	5,618	5,807	6,546	6,568	6,561	6,678	10,587
Mississippi	7,526	6,756	6,765	6,911	6,835	6,578	7,082	10,805
Oklahoma	3,102	2,947	3,445	3,737	4,180	4,215	4,249	5,395
Tennessee	5,505	5,366	5,336	5,516	5,183	5,261	6,071	9,717
Texas	7,428	8,298	9,421	9,694	9,999	10,906	12,141	16,989
Total	50,765	49,612	51,226	54,101	53,851	54,317	58,155	87,739
South Total:	86,646	85,450	87,837	92,442	91,473	89,570	95,399	143,272

Table 3—(continued).

Region, subregion, and State	1997	1987[b]	1977[c]	1963[d]	1953[e]	1938[f]	1907[g]	1630[h]
				Thousand hectares				
Rocky Mountain:								
Great Plains:								
Kansas	625	550	544	547	675	975	1,072	635
Nebraska	383	292	416	470	365	481	596	595
North Dakota	273	186	171	178	191	200	155	182
South Dakota	660	684	689	743	878	842	890	1,004
Total	1,942	1,712	1,820	1,938	2,110	2,497	2,713	2,416
Intermountain:								
Arizona	8,064	7,845	7,485	8,054	7,775	8,137	8,499	8,729
Colorado	8,608	8,635	9,013	9,139	8,903	8,790	8,677	8,677
Idaho	8,878	8,830	8,793	8,829	8,509	8,787	9,065	9,765
Montana	9,402	8,867	9,130	8,923	9,037	9,071	9,106	9,438
Nevada	4,018	3,613	3,109	3,642	3,845	4,351	4,856	4,856
New Mexico	6,275	6,405	6,216	6,268	6,293	6,206	6,138	6,346
Utah	6,356	6,570	6,296	6,052	6,564	6,601	6,637	7,240
Wyoming	4,429	4,033	4,058	3,957	4,255	4,353	4,452	5,055
Total	56,029	54,798	54,100	54,864	55,180	56,296	57,430	60,106
Rocky Mountain Total:	57,971	56,510	55,920	56,802	57,290	58,793	60,143	62,522
Pacific Coast:								
Alaska:								
Alaska	51,551	52,225	52,247	52,247	52,247	52,247	52,247	52,247
Total	51,551	52,225	52,247	52,247	52,247	52,247	52,247	52,247
Pacific Northwest:								
Oregon	12,028	11,644	12,064	12,440	12,247	12,295	12,343	12,380
Washington	8,860	9,114	9,381	9,328	9,659	9,990	10,320	10,389
Total	20,888	20,759	21,445	21,768	21,906	22,285	22,663	22,768
Pacific Southwest:								
California	15,600	15,937	16,250	17,216	17,216	19,490	19,830	21,032
Hawaii	708	707	804	802	809	809	809	809
Total	16,308	16,645	17,053	18,018	18,026	20,299	20,640	21,842
Pacific Coast Total:	88,746	89,628	90,745	92,034	92,179	94,831	95,550	96,857
United States:	302,294	298,567	300,948	308,355	306,021	307,497	307,224	423,088

[a] Estimates for 1938 include forest area for regions that would become the States of Alaska and Hawaii. All data prior to 1953 are based on partial inventories or estimates from surveyors data. 'Estimates for 1907 include forest area for regions that would become the States of Alaska, Arizona, Hawaii, and New Mexico. Estimates for 1630 represent the forest area in North America for regions that would become the 50 States within the current United States

[b] Data for 1987 based on Waddell *et al* . (1989).

[c] Data for 1977 based on USDA Forest Service (1982).

[d] Data for 1963 based on USDA Forest Service (1965).

[e] Data for 1953 based on USDA Forest Service (1958).

[f] Data for 1938 based on U.S. Congress (1938).

[g] Data for 1907 based on Kellogg (1909).

[h] Data for 1630 were also from Kellogg (1909) as an estimate of the original forest area based on the current estimate of forest and historic land clearing information. These data are provided here for general reference purposes only to convey the relative extent of the forest estate, in what is now the United States, at the time of European settlement.

Table 4—Forest land area in the United States by productivity class, region, and subregion, and State 1997

Region, subregion, and State	Total	Productivity class[a]					Reserved forest land
		8.4 + m^3	5.9 - 8.3 m^3	3.5 - 5.8 m^3	1.4 - 3.4 m^3	0 - 1.3 m^3	
		Thousand hectares					
North:							
Northeast:							
Connecticut	754	31	51	225	427	10	9
Delaware	158	12	24	65	51	4	1
Maine	7,167	97	738	2,455	3,570	167	140
Maryland	1,093	84	199	359	339	50	62
Massachusetts	1,321	120	170	430	480	61	60
New Hampshire	2,005	26	218	562	1,035	116	47
New Jersey	806	20	58	191	485	9	43
New York	7,520	331	645	1,520	3,738	90	1,195
Pennsylvania	6,841	290	595	1,553	3,977	89	337
Rhode Island	166	0	8	24	112	18	3
Vermont	1,865	30	197	412	1,166	22	37
West Virginia	4,900	393	1,100	1,553	1,770	11	73
Total	34,595	1,435	4,004	9,351	17,151	647	2,009
North Central:							
Illinois	1,738	117	583	700	243	0	96
Indiana	1,822	438	664	487	168	0	64
Iowa	830	33	232	369	152	8	36
Michigan	7,825	390	1,780	3,130	2,255	37	234
Minnesota	6,797	109	1,204	2,180	2,504	341	460
Missouri	5,685	50	224	2,598	2,555	126	131
Ohio	3,179	157	236	605	2,065	60	57
Wisconsin	6,460	411	1,628	2,838	1,478	25	82
Total	34,335	1,704	6,551	12,908	11,420	595	1,158
North Total:	68,931	3,139	10,554	22,258	28,571	1,241	3,167
South:							
Southeast:							
Florida	6,578	83	785	3,511	1,531	424	244
Georgia	9,880	398	2,473	6,074	686	9	241
North Carolina	7,810	447	2,269	3,918	909	18	249
South Carolina	5,120	176	1,344	2,970	536	0	94
Virginia	6,494	228	1,333	3,840	810	19	265
Total	35,882	1,332	8,203	20,313	4,471	469	1,092
South Central:							
Alabama	8,889	2,939	3,292	2,307	330	0	21
Arkansas	7,604	1,397	2,048	2,882	1,116	67	94
Kentucky	5,133	446	836	1,569	2,147	13	124
Louisiana	5,578	2,575	1,815	1,031	120	0	36
Mississippi	7,526	3,200	2,976	1,229	118	0	3
Oklahoma	3,102	71	171	1,013	1,268	561	18
Tennessee	5,505	835	1,458	2,286	790	0	136
Texas	7,428	1,504	1,930	1,096	233	2,612	54
Total	50,765	12,966	14,526	13,411	6,122	3,254	486
South Total:	86,646	14,298	22,729	33,724	10,593	3,723	1,579

Table 4—(continued).

Region, subregion, and State	Total	Productivity class[a] 8.4 + m^3	5.9 - 8.3 m^3	3.5 - 5.8 m^3	1.4 - 3.4 m^3	0 - 1.3 m^3	Reserved forest land
				Thousand hectares			
Rocky Mountain:							
Great Plains:							
Kansas	625	25	103	226	249	15	7
Nebraska	383	9	70	109	175	7	13
North Dakota	273	0	8	40	131	94	0
South Dakota	660	0	4	74	523	50	9
Total	1,942	35	185	449	1,078	166	29
Intermountain:							
Arizona	8,064	1	4	366	1,278	5,699	717
Colorado	8,608	3	171	1,239	3,264	2,957	974
Idaho	8,878	1,216	1,993	2,186	1,534	520	1,428
Montana	9,402	183	862	2,873	3,838	181	1,465
Nevada	4,018	7	12	17	32	3,671	279
New Mexico	6,275	1	38	506	1,411	3,744	575
Utah	6,356	3	85	564	1,250	4,142	312
Wyoming	4,429	0	49	477	1,532	792	1,579
Total	56,029	1,414	3,214	8,228	14,138	21,707	7,328
Rocky Mountain Total:	57,971	1,449	3,399	8,677	15,216	21,873	7,357
Pacific Coast:							
Alaska:							
Alaska	51,551	854	486	308	3,368	42,553	3,981
Total	51,551	854	486	308	3,368	42,553	3,981
Pacific Northwest:							
Oregon	12,028	4,383	1,984	2,003	1,242	1,412	1,005
Washington	8,860	3,986	1,255	1,117	691	396	1,414
Total	20,888	8,369	3,239	3,120	1,933	1,809	2,419
Pacific Southwest:							
California	15,600	2,276	2,116	1,866	1,008	5,920	2,415
Hawaii	708	283	0	0	0	345	79
Total	16,308	2,559	2,116	1,866	1,008	6,265	2,495
Pacific Coast Total:	88,746	11,782	5,841	5,294	6,309	50,627	8,894
United States:	302,294	30,668	42,523	69,954	60,689	77,464	20,997

[a] Productivity classes are displayed as cubic meters per hectare per year.

Note: Data may not add to totals because of rounding.

Table 5—Forest land area in the western United States by forest type group, subregion, productivity class, and ownership group, 1997

Subregion and productivity class[a]	All forest types	Forest type group: Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked	Unknown[b]
						Thousand hectares									
						All ownership groups									
Great Plains:															
8.4 +	35	0	0	0	0	0	0	0	0	2	33	0	0	0	0
5.9 - 8.3	185	0	0	0	0	0	0	0	0	21	164	0	0	0	0
3.5 - 5.8	449	0	18	0	7	0	0	0	0	39	382	0	0	3	0
1.4 - 3.4	1,078	0	333	0	2	0	0	0	0	168	566	0	0	9	0
<1.4 (Other forest)	166	0	12	0	0	0	0	0	0	3	10	0	0	141	0
Reserved forest	29	0	4	0	0	0	0	0	0	5	7	0	0	0	12
Total	1,942	0	368	0	9	0	0	0	0	238	1,161	0	0	154	12
Intermountain:															
8.4 +	1,414	565	129	31	433	160	21	53	0	0	21	0	0	0	0
5.9 - 8.3	3,214	1,077	193	13	1,219	249	136	213	0	0	112	0	0	1	0
3.5 - 5.8	8,228	2,624	1,065	9	2,421	192	149	981	0	46	727	7	0	7	0
1.4 - 3.4	14,138	2,874	4,635	0	1,680	9	47	2,676	0	496	1,556	141	0	23	0
<1.4 (Other forest)	21,707	87	147	0	164	0	6	325	0	519	2,968	17,225	51	217	0
Reserved forest	7,328	1,258	711	1	1,901	28	17	1,529	0	677	242	937	0	27	0
Total	56,029	8,486	6,881	54	7,817	639	377	5,778	0	1,737	5,625	18,309	51	275	0
Alaska:															
8.4 +	854	0	0	0	0	824	0	0	0	0	23	0	0	7	0
5.9 - 8.3	486	0	0	0	0	476	0	0	0	0	6	0	0	4	0
3.5 - 5.8	308	0	0	0	1	270	0	0	0	2	33	0	0	0	0
1.4 - 3.4	3,368	0	0	0	1,256	379	0	0	0	60	1,623	0	0	50	0
<1.4 (Other forest)	42,553	0	0	0	14,552	1,547	0	46	0	24,656	1,730	0	0	22	0
Reserved forest	3,981	0	0	0	547	1,585	0	0	0	764	760	0	0	325	0
Total	51,550	0	0	0	16,357	5,081	0	46	0	25,483	4,175	0	0	408	0
Pacific Northwest:															
8.4 +	8,369	4,108	116	5	828	1,638	33	192	2	11	1,314	0	0	120	0
5.9 - 8.3	3,239	1,219	557	6	489	244	45	282	0	27	320	5	0	44	0
3.5 - 5.8	3,120	1,017	999	2	330	138	32	308	0	28	179	37	0	50	0
1.4 - 3.4	1,932	500	871	9	84	31	5	192	0	20	94	66	0	59	0
<1.4 (Other forest)	1,809	131	327	1	6	14	0	8	0	8	202	925	95	91	0
Reserved forest	2,419	513	82	15	580	871	22	99	0	50	70	0	0	11	106
Total	20,888	7,489	2,953	37	2,317	2,938	139	1,081	2	144	2,179	1,033	95	375	106
Pacific Southwest:															
8.4 +	2,559	263	982	0	340	3	0	6	266	30	509	0	0	160	0
5.9 - 8.3	2,115	413	717	2	567	0	0	3	29	3	366	0	0	15	0
3.5 - 5.8	1,866	108	909	20	252	2	0	37	2	113	399	0	0	23	0
1.4 - 3.4	1,008	15	332	17	30	0	0	21	0	419	157	2	0	14	0
<1.4 (Other forest)	6,265	1	24	4	4	0	0	0	0	1,513	2,286	589	1,775	68	0
Reserved forest	2,495	171	250	106	509	5	0	116	72	673	349	65	179	0	0
Total	16,307	972	3,215	148	1,702	10	0	183	368	2,751	4,067	656	1,953	282	0
Western total:															
8.4 +	13,231	4,937	1,228	36	1,600	2,626	54	251	268	43	1,900	0	0	287	0
5.9 - 8.3	9,240	2,710	1,468	20	2,275	970	182	499	29	51	969	5	0	64	0
3.5 - 5.8	13,971	3,749	2,992	31	3,011	603	181	1,326	2	228	1,720	44	0	84	0
1.4 - 3.4	21,525	3,389	6,172	26	3,052	420	53	2,889	0	1,164	3,995	209	0	156	0
<1.4 (Other forest)	72,499	219	510	5	14,726	1,561	6	379	0	26,698	7,195	18,738	1,921	540	0
Reserved forest	16,252	1,943	1,046	122	3,538	2,488	40	1,745	72	2,169	1,428	1,002	179	363	118
Total	146,717	16,947	13,416	239	28,202	8,668	516	7,088	371	30,353	17,207	19,999	2,099	1,495	118

Table 5—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked	Unknown[b]
							Thousand hectares								
							National forest								
Great Plains:															
8.4 +	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.9 - 8.3	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0
3.5 - 5.8	34	0	18	0	7	0	0	0	0	7	2	0	0	0	0
1.4 - 3.4	363	0	333	0	2	0	0	0	0	16	12	0	0	0	0
<1.4 (Other forest)	87	0	12	0	0	0	0	0	0	0	7	0	0	68	0
Reserved forest	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0
Total	495	0	368	0	9	0	0	0	0	30	20	0	0	68	0
Intermountain:															
8.4 +	849	355	75	18	271	93	11	26	0	0	0	0	0	0	0
5.9 - 8.3	2,059	705	91	10	855	124	98	156	0	0	19	0	0	1	0
3.5 - 5.8	5,317	1,618	518	9	1,901	125	79	730	0	16	307	7	0	7	0
1.4 - 3.4	9,007	1,722	2,048	0	1,431	9	33	2,299	0	353	947	141	0	23	0
<1.4 (Other forest)	6,360	70	86	0	139	0	6	315	0	314	1,345	3,817	51	217	0
Reserved forest	5,245	1,124	582	1	1,530	28	17	717	0	675	178	370	0	24	0
Total	28,837	5,593	3,400	39	6,127	379	244	4,241	0	1,358	2,797	4,334	51	272	0
Alaska:															
8.4 +	749	0	0	0	0	719	0	0	0	0	23	0	0	7	0
5.9 - 8.3	332	0	0	0	0	329	0	0	0	0	0	0	0	4	0
3.5 - 5.8	159	0	0	0	1	158	0	0	0	0	0	0	0	0	0
1.4 - 3.4	289	0	0	0	8	266	0	0	0	0	11	0	0	4	0
<1.4 (Other forest)	1,259	0	0	0	11	1,172	0	46	0	3	5	0	0	22	0
Reserved forest	1,764	0	0	0	0	1,463	0	0	0	0	0	0	0	302	0
Total	4,553	0	0	0	19	4,107	0	46	0	3	39	0	0	339	0
Pacific Northwest:															
8.4 +	3,335	1,508	96	5	703	630	27	184	0	8	160	0	0	13	0
5.9 - 8.3	1,824	508	452	3	376	155	22	236	0	9	54	5	0	5	0
3.5 - 5.8	1,699	367	732	2	180	88	19	209	0	16	26	37	0	23	0
1.4 - 3.4	441	60	193	9	14	7	0	67	0	14	10	61	0	5	0
<1.4 (Other forest)	107	11	11	1	0	3	0	5	0	6	3	56	0	11	0
Reserved forest	1,640	351	58	14	477	528	7	86	0	50	59	0	0	11	0
Total	9,046	2,806	1,543	33	1,749	1,411	75	787	0	103	312	159	0	67	0
Pacific Southwest:															
8.4 +	1,003	158	536	0	305	0	0	0	0	0	4	0	0	0	0
5.9 - 8.3	1,350	353	403	2	524	0	0	0	0	0	68	0	0	0	0
3.5 - 5.8	1,121	70	543	19	215	2	0	30	2	113	127	0	0	0	0
1.4 - 3.4	607	9	89	17	27	0	0	14	0	415	37	0	0	0	0
<1.4 (Other forest)	1,185	1	1	4	4	0	0	0	0	899	189	87	0	0	0
Reserved forest	1,511	155	154	106	365	2	0	40	2	520	122	45	0	0	0
Total	6,778	746	1,726	147	1,440	4	0	85	3	1,947	548	132	0	0	0
Western total:															
8.4 +	5,936	2,021	707	23	1,279	1,442	39	210	0	8	187	0	0	20	0
5.9 - 8.3	5,573	1,567	946	15	1,755	609	120	392	0	16	140	5	0	9	0
3.5 - 5.8	8,331	2,055	1,812	30	2,304	373	98	969	2	152	462	44	0	31	0
1.4 - 3.4	10,707	1,792	2,664	26	1,482	282	33	2,380	0	798	1,017	202	0	32	0
<1.4 (Other forest)	8,998	82	110	5	154	1,175	6	366	0	1,223	1,550	3,960	51	318	0
Reserved forest	10,164	1,629	797	121	2,371	2,020	24	843	2	1,245	360	416	0	336	0
Total	49,709	9,146	7,036	219	9,345	5,902	319	5,159	3	3,442	3,715	4,626	51	746	0

Table 5—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked	Unknown[b]
							Thousand hectares								
							Other public								
Great Plains:															
8.4 +	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0
5.9 - 8.3	11	0	0	0	0	0	0	0	0	2	9	0	0	0	0
3.5 - 5.8	35	0	0	0	0	0	0	0	0	5	29	0	0	2	0
1.4 - 3.4	53	0	0	0	0	0	0	0	0	20	31	0	0	2	0
<1.4 (Other forest)	6	0	0	0	0	0	0	0	0	0	1	0	0	6	0
Reserved forest	22	0	0	0	0	0	0	0	0	5	7	0	0	0	9
Total	132	0	0	0	0	0	0	0	0	32	82	0	0	9	9
Intermountain:															
8.4 +	175	55	14	2	68	22	3	6	0	0	5	0	0	0	0
5.9 - 8.3	307	114	19	0	103	44	9	6	0	0	12	0	0	0	0
3.5 - 5.8	671	275	56	0	134	23	14	74	0	9	85	0	0	0	0
1.4 - 3.4	1,299	406	450	0	87	0	1	169	0	67	120	0	0	0	0
<1.4 (Other forest)	8,610	12	25	0	22	0	0	5	0	149	451	7,946	0	0	0
Reserved forest	1,905	97	101	0	297	0	0	797	0	2	54	553	0	2	0
Total	12,966	960	665	2	711	89	27	1,056	0	227	727	8,499	0	2	0
Alaska:															
8.4 +	43	0	0	0	0	43	0	0	0	0	0	0	0	0	0
5.9 - 8.3	60	0	0	0	0	56	0	0	0	0	5	0	0	0	0
3.5 - 5.8	83	0	0	0	0	50	0	0	0	0	33	0	0	0	0
1.4 - 3.4	1,766	0	0	0	643	30	0	0	0	23	1,042	0	0	27	0
<1.4 (Other forest)	28,312	0	0	0	6,601	263	0	0	0	20,353	1,095	0	0	0	0
Reserved forest	2,214	0	0	0	545	122	0	0	0	764	760	0	0	24	0
Total	32,479	0	0	0	7,788	564	0	0	0	21,140	2,936	0	0	51	0
Pacific Northwest:															
8.4 +	1,309	786	0	0	27	231	0	0	0	3	250	0	0	11	0
5.9 - 8.3	328	202	26	0	22	28	8	6	0	0	33	0	0	3	0
3.5 - 5.8	326	194	26	0	16	13	5	13	0	6	54	0	0	0	0
1.4 - 3.4	285	113	85	0	2	3	0	24	0	0	46	3	0	8	0
<1.4 (Other forest)	541	39	61	0	0	0	0	0	0	2	28	368	23	21	0
Reserved forest	722	159	21	1	100	322	2	3	0	0	10	0	0	0	105
Total	3,510	1,493	218	1	166	597	14	46	0	10	421	371	23	44	105
Pacific Southwest:															
8.4 +	195	5	20	0	0	0	0	0	34	7	60	0	0	70	0
5.9 - 8.3	50	0	24	0	4	0	0	0	0	0	21	0	0	0	0
3.5 - 5.8	33	2	11	0	0	0	0	1	0	0	19	0	0	0	0
1.4 - 3.4	32	0	19	0	0	0	0	1	0	0	9	1	0	2	0
<1.4 (Other forest)	1,006	0	3	0	0	0	0	0	0	52	154	298	487	12	0
Reserved forest	966	16	95	0	145	3	0	76	70	151	215	20	176	0	0
Total	2,283	23	171	0	149	3	0	77	105	211	477	319	663	84	0
Western total:															
8.4 +	1,728	846	34	2	95	297	3	6	34	10	320	0	0	81	0
5.9 - 8.3	756	316	69	0	129	128	17	11	0	2	80	0	0	3	0
3.5 - 5.8	1,148	472	93	0	150	86	19	88	0	19	220	0	0	2	0
1.4 - 3.4	3,434	519	554	0	732	33	1	194	0	110	1,249	3	0	39	0
<1.4 (Other forest)	38,476	51	88	0	6,622	263	0	5	0	20,557	1,729	8,613	510	38	0
Reserved forest	5,828	271	217	1	1,087	447	2	876	70	923	1,046	573	176	26	114
Total	51,370	2,476	1,054	3	8,815	1,254	41	1,180	105	21,621	4,644	9,189	686	189	114

Table 5—(continued).

Subregion and productivity class[a]	All forest types	Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked	Unknown[b]
	Forest type group														
	Thousand hectares														
	Forest industry														
Great Plains:															
8.4 +	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.9 - 8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.5 - 5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4 - 3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<1.4 (Other forest)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intermountain:															
8.4 +	161	57	2	5	61	26	5	6	0	0	0	0	0	0	0
5.9 - 8.3	325	102	7	0	140	52	13	11	0	0	0	0	0	0	0
3.5 - 5.8	490	199	55	0	91	38	37	63	0	2	3	0	0	0	0
1.4 - 3.4	208	132	11	0	26	0	3	35	0	2	0	0	0	0	0
<1.4 (Other forest)	5	0	0	0	0	0	0	0	0	0	0	5	0	0	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,190	491	75	5	318	116	57	115	0	4	3	5	0	0	0
Alaska:															
8.4 +	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.9 - 8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.5 - 5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4 - 3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<1.4 (Other forest)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Northwest:															
8.4 +	2,279	1,245	0	0	48	565	2	2	0	0	357	0	0	60	0
5.9 - 8.3	486	286	16	0	58	39	8	0	0	15	52	0	0	12	0
3.5 - 5.8	442	165	102	0	88	19	0	31	0	6	19	0	0	10	0
1.4 - 3.4	484	99	240	0	46	8	0	68	0	3	0	3	0	18	0
<1.4 (Other forest)	192	20	67	0	0	9	0	3	0	0	11	42	25	16	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,884	1,815	425	0	240	640	11	105	0	24	439	44	25	115	0
Pacific Southwest:															
8.4 +	627	52	236	0	20	0	0	2	147	3	153	0	0	13	0
5.9 - 8.3	307	23	139	0	26	0	0	3	15	0	97	0	0	4	0
3.5 - 5.8	208	3	117	1	20	0	0	0	0	0	61	0	0	4	0
1.4 - 3.4	66	4	40	0	3	0	0	0	0	3	17	0	0	0	0
<1.4 (Other forest)	64	0	4	0	0	0	0	0	0	7	35	2	12	3	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,271	81	537	1	70	0	0	6	162	13	363	2	12	24	0
Western total:															
8.4 +	3,068	1,354	238	5	129	591	7	10	147	3	511	0	0	73	0
5.9 - 8.3	1,117	411	162	0	224	90	21	14	15	15	149	0	0	16	0
3.5 - 5.8	1,140	368	274	1	200	58	37	95	0	9	84	0	0	14	0
1.4 - 3.4	758	234	290	0	74	8	3	103	0	8	17	3	0	18	0
<1.4 (Other forest)	261	20	72	0	0	9	0	3	0	7	46	49	37	19	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6,344	2,387	1,037	6	627	756	68	225	162	42	806	51	37	139	0

Table 5—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked	Unknown[b]
							Thousand hectares								
							Nonindustrial private								
Great Plains:															
8.4 +	30	0	0	0	0	0	0	0	0	2	28	0	0	0	0
5.9 - 8.3	167	0	0	0	0	0	0	0	0	12	155	0	0	0	0
3.5 - 5.8	379	0	0	0	0	0	0	0	0	27	351	0	0	1	0
1.4 - 3.4	662	0	0	0	0	0	0	0	0	133	523	0	0	7	0
<1.4 (Other forest)	73	0	0	0	0	0	0	0	0	3	2	0	0	68	0
Reserved forest	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	1,314	0	0	0	0	0	0	0	0	176	1,059	0	0	77	3
Intermountain:															
8.4 +	229	98	38	5	32	20	2	16	0	0	16	0	0	0	0
5.9 - 8.3	523	156	76	2	121	29	16	41	0	0	81	0	0	0	0
3.5 - 5.8	1,750	532	435	0	294	5	20	114	0	19	332	0	0	0	0
1.4 - 3.4	3,624	614	2,126	0	136	0	11	174	0	74	489	0	0	0	0
<1.4 (Other forest)	6,732	4	36	0	3	0	0	6	0	55	1,171	5,457	0	0	0
Reserved forest	179	38	28	0	74	0	0	15	0	0	9	14	0	1	0
Total	13,037	1,442	2,740	8	661	54	49	365	0	147	2,098	5,470	0	1	0
Alaska:															
8.4 +	61	0	0	0	0	61	0	0	0	0	0	0	0	0	0
5.9 - 8.3	94	0	0	0	0	92	0	0	0	0	2	0	0	0	0
3.5 - 5.8	65	0	0	0	0	63	0	0	0	2	0	0	0	0	0
1.4 - 3.4	1,314	0	0	0	606	82	0	0	0	37	569	0	0	18	0
<1.4 (Other forest)	12,982	0	0	0	7,941	112	0	0	0	4,300	630	0	0	0	0
Reserved forest	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Total	14,519	0	0	0	8,549	410	0	0	0	4,339	1,201	0	0	18	0
Pacific Northwest:															
8.4 +	1,446	569	20	0	51	212	4	5	2	0	547	0	0	36	0
5.9 - 8.3	601	223	63	3	34	22	8	40	0	3	181	0	0	24	0
3.5 - 5.8	653	291	140	0	46	18	8	54	0	0	80	0	0	17	0
1.4 - 3.4	723	228	353	0	22	14	5	33	0	3	37	0	0	29	0
<1.4 (Other forest)	968	61	188	0	6	3	0	0	0	0	160	458	47	44	0
Reserved forest	57	4	3	0	3	21	14	10	0	0	1	0	0	0	1
Total	4,448	1,375	767	3	162	289	38	143	2	6	1,006	458	47	150	1
Pacific Southwest:															
8.4 +	733	49	191	0	14	3	0	4	85	20	291	0	0	77	0
5.9 - 8.3	409	37	151	0	12	0	0	0	14	3	181	0	0	12	0
3.5 - 5.8	505	32	237	0	17	0	0	6	0	1	192	0	0	19	0
1.4 - 3.4	303	3	184	0	0	0	0	6	0	2	94	2	0	12	0
<1.4 (Other forest)	4,010	0	16	0	0	0	0	0	0	554	1,908	202	1,276	54	0
Reserved forest	18	1	1	0	0	0	0	0	1	1	12	0	2	0	0
Total	5,977	122	781	0	43	3	0	16	99	580	2,678	204	1,278	174	0
Western total:															
8.4 +	2,499	715	249	5	97	296	6	25	87	22	883	0	0	114	0
5.9 - 8.3	1,794	416	291	5	167	143	24	81	14	18	600	0	0	36	0
3.5 - 5.8	3,353	854	812	0	357	86	28	175	0	49	954	0	0	37	0
1.4 - 3.4	6,625	845	2,663	0	764	96	16	212	0	248	1,712	2	0	67	0
<1.4 (Other forest)	24,765	65	241	0	7,950	114	0	6	0	4,911	3,871	6,117	1,323	166	0
Reserved forest	259	42	32	0	79	21	14	25	1	1	22	14	2	1	3
Total	39,294	2,938	4,289	10	9,415	756	87	524	101	5,248	8,043	6,133	1,325	420	3

[a] Productivity classes are displayed as cubic meters per hectare per year.

[b] Poorly stocked reserved and other forest lands have insufficient data to determine a forest type.

Note: Data may not add to totals because of rounding.

Table 6—Forest land area in the eastern United States by forest type group, subregion, productivity class, and ownership group, 1997

Subregion and productivity class[a]	All forest types	Forest type group												
		White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked	Un-known[b]
						Thousand hectares								
						All ownership groups								
Northeast:														
8.4 +	1,435	163	118	0	35	58	415	15	134	480	16	0	0	0
5.9 - 8.3	4,004	453	497	0	82	183	1,416	23	84	1,028	236	0	2	0
3.5 - 5.8	9,351	949	1,173	0	147	329	2,888	57	176	3,056	573	0	2	0
1.4 - 3.4	17,151	975	1,279	0	363	411	5,166	77	540	7,593	709	0	38	0
<1.4 (Other forest)	647	30	178	0	30	26	104	8	98	87	30	0	56	0
Reserved forest	2,009	36	260	0	30	6	448	1	14	1,119	80	0	14	0
Total	34,595	2,607	3,506	0	688	1,013	10,437	180	1,046	13,363	1,643	0	112	0
North Central:														
8.4 +	1,704	306	185	0	21	36	319	22	227	401	182	0	4	0
5.9 - 8.3	6,550	456	376	0	15	33	1,304	25	669	1,866	1,788	0	21	0
3.5 - 5.8	12,908	499	617	0	27	163	4,768	18	849	3,488	2,450	0	29	0
1.4 - 3.4	11,420	453	1,900	0	225	242	3,829	74	1,369	2,407	853	0	68	0
<1.4 (Other forest)	595	4	306	0	5	37	107	5	34	21	21	0	55	1
Reserved forest	1,158	124	172	0	5	11	306	3	117	131	285	0	2	3
Total	34,336	1,842	3,556	0	298	522	10,632	148	3,264	8,315	5,577	0	178	4
Southeast:														
8.4 +	1,332	133	0	81	469	245	297	89	3	2	0	0	13	0
5.9 - 8.3	8,203	21	0	822	2,492	1,052	2,503	1,045	140	45	0	0	82	0
3.5 - 5.8	20,314	58	1	2,539	5,277	2,585	6,317	3,060	141	79	0	0	257	0
1.4 - 3.4	4,472	5	4	604	757	726	1,431	787	28	9	0	0	120	0
<1.4 (Other forest)	469	0	0	1	0	0	4	146	5	0	0	27	249	37
Reserved forest	1,092	11	0	35	76	54	119	231	7	5	0	6	80	469
Total	35,882	229	4	4,081	9,072	4,662	10,672	5,357	324	140	0	32	801	506
South Central:														
8.4 +	12,966	14	0	302	3,981	2,259	3,574	2,566	212	36	0	0	22	0
5.9 - 8.3	14,526	8	0	531	4,194	2,524	4,930	2,110	141	58	0	0	30	0
3.5 - 5.8	13,411	13	0	379	2,482	2,072	6,658	1,526	143	88	0	0	49	0
1.4 - 3.4	6,121	8	0	55	469	601	4,365	349	123	146	0	0	7	0
<1.4 (Other forest)	3,254	0	0	0	33	21	1,268	2	8	0	0	1,920	2	0
Reserved forest	486	2	0	2	43	45	177	16	2	0	0	0	43	154
Total	50,764	46	0	1,270	11,202	7,522	20,971	6,569	629	329	0	1,920	154	154
Eastern total:														
8.4 +	17,437	616	304	382	4,507	2,598	4,605	2,693	575	919	198	0	39	0
5.9 - 8.3	33,284	938	873	1,354	6,783	3,791	10,152	3,204	1,033	2,998	2,023	0	134	0
3.5 - 5.8	55,983	1,519	1,790	2,918	7,933	5,149	20,632	4,661	1,310	6,711	3,023	0	337	0
1.4 - 3.4	39,164	1,442	3,183	659	1,814	1,981	14,791	1,287	2,059	10,155	1,562	0	232	0
<1.4 (Other forest)	4,964	34	484	1	67	84	1,482	161	146	108	50	1,947	363	38
Reserved forest	4,746	174	432	37	155	117	1,050	251	140	1,255	365	6	139	626
Total	155,577	4,723	7,066	5,351	21,259	13,720	52,712	12,256	5,263	22,146	7,221	1,953	1,244	664

Table 6— (continued).

Subregion and productivity class[a]	All forest types	Forest type group: White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked	Un-known[b]
						Thousand hectares								
						National forest								
Northeast:														
8.4 +	16	2	0	0	0	0	4	0	0	10	0	0	0	0
5.9 - 8.3	52	4	7	0	2	1	23	0	0	14	0	0	0	0
3.5 - 5.8	224	8	15	0	3	7	64	0	0	124	3	0	0	0
1.4 - 3.4	529	3	31	0	8	3	128	0	0	333	23	0	0	0
<1.4 (Other forest)	95	0	69	0	0	0	2	0	5	10	0	0	9	0
Reserved forest	113	0	22	0	0	0	3	0	0	74	15	0	0	0
Total	1,029	18	144	0	14	11	224	0	5	563	41	0	9	0
North Central:														
8.4 +	138	64	27	0	2	3	16	1	1	9	15	0	0	0
5.9 - 8.3	627	111	82	0	5	1	62	0	11	125	230	0	0	0
3.5 - 5.8	1,338	113	112	0	6	40	405	2	20	355	283	0	2	0
1.4 - 3.4	1,083	91	272	0	66	30	235	0	84	171	131	0	4	0
<1.4 (Other forest)	36	0	15	0	0	6	7	0	1	0	0	0	7	0
Reserved forest	445	83	92	0	1	6	46	0	14	30	174	0	0	0
Total	3,668	461	599	0	81	86	771	3	132	690	832	0	12	0
Southeast:														
8.4 +	114	21	0	2	18	21	45	4	0	2	0	0	0	0
5.9 - 8.3	337	1	0	31	92	34	149	16	3	11	0	0	1	0
3.5 - 5.8	935	15	1	108	153	110	470	51	0	15	0	0	10	0
1.4 - 3.4	474	2	2	58	66	67	237	38	0	2	0	0	3	0
<1.4 (Other forest)	21	0	0	0	0	0	0	0	0	0	0	0	0	21
Reserved forest	333	11	0	10	31	18	63	26	1	5	0	3	25	141
Total	2,213	49	2	209	361	250	964	135	4	35	0	3	38	162
South Central:														
8.4 +	618	7	0	40	245	161	107	53	0	4	0	0	0	0
5.9 - 8.3	612	4	0	56	261	133	131	21	0	4	0	0	0	0
3.5 - 5.8	1,060	6	0	50	312	212	461	9	0	9	0	0	0	0
1.4 - 3.4	323	4	0	7	35	41	227	0	0	9	0	0	0	0
<1.4 (Other forest)	4	0	0	0	0	0	4	0	0	0	0	0	0	0
Reserved forest	163	2	0	2	26	13	39	0	0	0	0	0	39	42
Total	2,781	24	0	157	879	560	969	84	0	27	0	0	39	42
Eastern total:														
8.4 +	886	93	27	42	265	186	171	59	1	25	15	0	0	0
5.9 - 8.4	1,628	121	89	87	360	169	366	38	14	154	230	0	1	0
3.5 - 5.9	3,557	143	128	159	475	369	1,399	62	20	503	286	0	12	0
1.4 - 3.5	2,409	100	305	66	176	140	827	38	84	514	154	0	7	0
<1.4 (Other forest)	157	0	84	0	0	6	14	0	6	10	0	0	16	21
Reserved forest	1,054	96	114	12	58	37	150	26	15	108	188	3	63	183
Total	9,691	553	747	366	1,335	908	2,927	222	140	1,315	873	3	99	204

Table 6—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked	Un-known[b]
						Thousand hectares								
						Other public								
Northeast:														
8.4 +	95	20	20	0	1	2	18	0	8	23	3	0	0	0
5.9 - 8.3	244	53	11	0	9	21	68	2	8	64	8	0	0	0
3.5 - 5.8	762	68	83	0	23	23	310	11	10	194	40	0	0	0
1.4 - 3.4	1,964	95	43	0	115	54	826	12	58	704	57	0	0	0
<1.4 (Other forest)	55	2	10	0	3	0	10	3	8	16	2	0	1	0
Reserved forest	1,885	36	236	0	30	6	446	1	14	1,041	62	0	14	0
Total	5,006	273	403	0	182	106	1,677	30	107	2,042	172	0	15	0
North Central:														
8.4 +	248	62	56	0	2	5	21	0	16	32	53	0	0	0
5.9 - 8.3	1,139	130	110	0	0	1	118	3	86	163	523	0	4	0
3.5 - 5.8	2,263	170	192	0	2	8	415	3	120	529	816	0	9	0
1.4 - 3.4	2,323	204	869	0	12	6	303	9	301	300	293	0	27	0
<1.4 (Other forest)	309	0	251	0	0	0	6	5	13	1	10	0	23	0
Reserved forest	670	25	70	0	4	6	255	3	97	99	108	0	1	2
Total	6,952	590	1,548	0	19	27	1,118	23	633	1,123	1,803	0	64	2
Southeast:														
8.4 +	57	1	0	14	21	10	6	3	0	0	0	0	0	0
5.9 - 8.3	366	2	0	77	104	44	65	64	8	1	0	0	2	0
3.5 - 5.8	993	2	0	212	209	88	195	263	8	0	0	0	14	0
1.4 - 3.4	519	0	0	140	86	117	73	91	0	1	0	0	11	0
<1.4 (Other forest)	304	0	0	0	0	0	1	102	1	0	0	20	170	10
Reserved forest	759	0	0	25	46	36	56	205	6	0	0	2	56	328
Total	2,997	5	0	469	465	296	397	728	23	2	0	22	252	338
South Central:														
8.4 +	554	0	0	11	104	89	128	194	25	0	0	0	3	0
5.9 - 8.3	612	2	0	12	85	78	166	232	25	2	0	0	10	0
3.5 - 5.8	566	2	0	21	47	72	259	139	22	2	0	0	2	0
1.4 - 3.4	276	0	0	5	24	40	159	43	0	4	0	0	0	0
<1.4 (Other forest)	23	0	0	0	5	0	17	0	2	0	0	0	0	0
Reserved forest	322	0	0	0	17	32	138	16	2	0	0	0	2	112
Total	2,353	5	0	49	282	311	868	625	76	8	0	0	17	112
Eastern total:														
8.4 +	953	82	76	25	129	106	174	197	49	55	56	0	3	0
5.9 - 8.3	2,361	187	121	89	198	143	417	302	127	230	531	0	16	0
3.5 - 5.8	4,585	242	276	233	280	192	1,179	416	160	725	856	0	25	0
1.4 - 3.4	5,082	298	913	144	236	218	1,362	155	359	1,009	349	0	37	0
<1.4 (Other forest)	691	2	261	0	9	0	33	110	23	16	13	20	194	10
Reserved forest	3,637	62	306	25	96	81	895	225	119	1,140	171	3	73	442
Total	17,307	873	1,952	518	949	741	4,061	1,406	837	3,175	1,975	23	348	452

Table 6—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked	Un-known[b]
						Thousand hectares								
						Forest industry								
Northeast:														
8.4 +	98	14	19	0	7	1	21	0	5	29	3	0	0	0
5.9 - 8.3	454	17	153	0	4	10	72	1	2	169	25	0	0	0
3.5 - 5.8	1,496	56	606	0	15	15	128	3	16	517	139	0	0	0
1.4 - 3.4	2,403	67	562	0	12	25	142	1	11	1,398	178	0	6	0
<1.4 (Other forest)	66	0	44	0	0	0	0	0	8	3	2	0	8	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,516	155	1,383	0	39	51	363	5	42	2,115	348	0	15	0
North Central:														
8.4 +	49	6	19	0	0	0	6	0	1	8	10	0	0	0
5.9 - 8.3	282	32	42	0	0	1	13	0	7	74	113	0	2	0
3.5 - 5.8	605	41	61	0	2	6	73	0	19	271	133	0	0	0
1.4 - 3.4	599	29	166	0	5	6	79	0	55	214	45	0	0	0
<1.4 (Other forest)	7	0	4	0	0	0	0	0	0	0	0	0	1	0
Reserved forest	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,544	108	291	0	7	13	171	0	83	567	301	0	4	0
Southeast:														
8.4 +	154	5	0	19	75	23	11	13	1	0	0	0	6	0
5.9 - 8.3	1,350	0	0	262	617	115	139	163	21	0	0	0	33	0
3.5 - 5.8	3,700	2	0	855	1,476	289	341	650	20	0	0	0	66	0
1.4 - 3.4	667	0	0	112	167	84	61	204	6	0	0	0	33	0
<1.4 (Other forest)	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,873	7	0	1,247	2,336	511	552	1,031	49	1	0	0	138	0
South Central:														
8.4 +	3,036	2	0	110	1,304	490	510	580	34	0	0	0	8	0
5.9 - 8.3	3,490	0	0	202	1,657	660	594	361	10	0	0	0	6	0
3.5 - 5.8	2,238	0	0	144	973	391	494	218	6	3	0	0	9	0
1.4 - 3.4	354	0	0	11	109	49	153	28	1	2	0	0	0	0
<1.4 (Other forest)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9,117	2	0	467	4,043	1,590	1,750	1,187	51	5	0	0	23	0
Eastern total:														
8.4 +	3,338	27	37	129	1,387	514	548	593	40	37	13	0	14	0
5.9 - 8.3	5,576	49	195	464	2,278	785	818	526	40	243	138	0	41	0
3.5 - 5.8	8,039	99	667	998	2,466	701	1,036	871	62	791	272	0	75	0
1.4 - 3.4	4,023	96	728	123	293	165	434	233	73	1,614	223	0	39	0
<1.4 (Other forest)	74	0	48	0	0	0	0	0	9	3	3	0	10	0
Reserved forest	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Total	21,050	272	1,674	1,714	6,425	2,165	2,836	2,223	224	2,688	648	0	180	0

Table 6—(continued).

Subregion and productivity class[a]	All forest types	Forest type group: White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked	Un-known[b]
						Thousand hectares								
						Nonindustrial private								
Northeast:														
8.4 +	1,227	127	80	0	27	55	372	15	121	418	11	0	0	0
5.9 - 8.3	3,253	378	326	0	66	151	1,252	19	73	782	203	0	2	0
3.5 - 5.8	6,869	816	468	0	106	283	2,387	42	151	2,222	392	0	2	0
1.4 - 3.4	12,255	810	643	0	227	329	4,070	64	471	5,158	452	0	32	0
<1.4 (Other forest)	431	28	56	0	26	26	91	5	77	58	25	0	38	0
Reserved forest	10	0	2	0	0	0	0	0	0	5	3	0	0	0
Total	24,044	2,160	1,575	0	452	845	8,173	145	893	8,643	1,085	0	74	0
North Central:														
8.4 +	1,269	175	84	0	17	28	276	21	209	352	103	0	4	0
5.9 - 8.3	4,503	183	142	0	10	30	1,110	22	565	1,505	922	0	15	0
3.5 - 5.8	8,700	175	252	0	17	108	3,875	13	690	2,333	1,218	0	18	0
1.4 - 3.4	7,415	130	593	0	143	201	3,212	65	928	1,722	384	0	37	0
<1.4 (Other forest)	242	4	35	0	5	31	93	0	20	20	9	0	23	1
Reserved forest	42	15	11	0	0	0	5	0	6	2	3	0	0	1
Total	22,171	683	1,117	0	192	396	8,572	121	2,417	5,934	2,639	0	98	2
Southeast:														
8.4 +	1,008	106	0	46	355	190	235	68	1	0	0	0	6	0
5.9 - 8.3	6,150	19	0	452	1,679	860	2,150	802	109	34	0	0	46	0
3.5 - 5.8	14,686	38	0	1,363	3,438	2,097	5,310	2,096	113	63	0	0	167	0
1.4 - 3.4	2,811	3	2	294	439	458	1,060	454	21	6	0	0	74	0
<1.4 (Other forest)	144	0	0	0	0	0	4	44	4	0	0	7	79	6
Reserved forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	24,798	167	2	2,156	5,911	3,605	8,759	3,464	248	102	0	7	371	6
South Central:														
8.4 +	8,757	5	0	140	2,328	1,519	2,829	1,740	154	32	0	0	11	0
5.9 - 8.3	9,813	1	0	262	2,191	1,653	4,039	1,495	106	52	0	0	14	0
3.5 - 5.8	9,548	4	0	165	1,150	1,397	5,444	1,160	115	74	0	0	38	0
1.4 - 3.4	5,169	4	0	32	300	471	3,826	277	121	131	0	0	7	0
<1.4 (Other forest)	3,226	0	0	0	27	21	1,246	2	7	0	0	1,920	2	0
Reserved forest	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Total	36,515	15	0	598	5,997	5,061	17,384	4,674	502	289	0	1,920	74	0
Eastern total:														
8.4 +	12,260	414	163	185	2,726	1,792	3,712	1,844	485	802	115	0	22	0
5.9 - 8.3	23,719	582	468	714	3,946	2,694	8,551	2,338	852	2,372	1,125	0	76	0
3.5 - 5.8	39,802	1,034	720	1,528	4,712	3,886	17,017	3,311	1,068	4,692	1,610	0	225	0
1.4 - 3.4	27,650	947	1,238	326	1,108	1,458	12,168	861	1,542	7,017	835	0	149	0
<1.4 (Other forest)	4,043	32	91	0	58	78	1,435	51	108	79	34	1,927	142	7
Reserved forest	55	15	13	0	0	0	5	0	6	6	5	0	3	1
Total	107,529	3,025	2,694	2,754	12,551	9,907	42,888	8,405	4,060	14,968	3,724	1,927	618	8

[a] Productivity classes are displayed as cubic meters per hectare per year.

[b] Poorly stocked reserved and other forest lands have insufficient data to determine a forest type.

Note: Data may not add to totals because of rounding.

Table 7—Forest land area in the Eastern and Western United States by rural-urban continuum class and forest type group, 1997

Forest type group	Predominant county population continuum class					
	Total	Major metro	ntermediate-small metro	Large town	Small town	Rural
			Thousand hectares			
East:						
White-red-jack pine	4,722	792	921	183	1,928	898
Spruce-fir	7,066	111	911	986	3,941	1,117
Longleaf-slash pine	5,351	1,103	561	156	2,420	1,111
Loblolly-shortleaf pine	21,259	3,582	2,253	766	10,237	4,421
Oak-pine	13,720	2,666	1,567	440	6,127	2,920
Oak-hickory	52,712	10,445	6,312	1,193	22,370	12,392
Oak-gum-cypress	12,256	2,402	1,575	384	5,804	2,092
Elm-ash-cottonwood	5,263	1,305	775	213	2,211	758
Maple-beech-birch	22,146	3,341	3,221	1,665	10,321	3,598
Aspen-birch	7,221	208	1,115	416	3,599	1,883
Other forest types	1,953	12	43	276	830	792
Nonstocked	1,244	280	308	25	405	226
Unknown[a]	664	185	63	23	176	216
East total:	155,577	26,433	19,624	6,727	70,369	32,425
West:						
Douglas-fir	16,947	1,817	2,615	1,724	5,874	4,918
Ponderosa pine	13,416	887	1,131	1,913	4,952	4,532
Western white pine	239	71	15	5	134	15
Fir-spruce	28,202	866	832	1,091	4,293	21,119
Hemlock-Sitka spruce	8,668	620	783	453	1,327	5,484
Larch	516	2	17	99	266	132
Lodgepole pine	7,088	83	158	980	2,160	3,708
Redwood	371	81	122	139	28	0
Other softwoods	17,207	2,535	2,169	1,326	3,861	7,316
Western hardwoods	30,353	1,467	339	196	1,438	26,912
Pinyon-juniper	19,999	1,187	1,182	3,597	7,126	6,908
Chaparral	2,099	1,345	248	12	405	90
Nonstocked	1,495	100	151	274	244	726
Unknown[a]	118	15	12	71	10	10
West total:	146,717	11,076	9,773	11,878	32,119	81,871
United States:	302,294	37,509	29,397	18,605	102,488	114,295

[a] Some low productivity and reserved forest land has not been inventoried and its forest type group remains unclassifi

Note: Data may not add to totals because of rounding.

Table 8—Area of planted and natural forest land in the Northern, Southern, and Western United States by forest type group and major ownership group, 1997

Forest type group [a]	All owners			National forest			Other public		
	Total	Planted	Natural	Total	Planted	Natural	Total	Planted	Natural
	Thousand hectares								
Northern:									
White-red-jack pine	4,448	1,104	3,344	480	224	255	863	289	574
Spruce-fir	7,062	190	6,872	744	28	716	1,952	45	1,906
Longleaf-slash pine	0	0	0	0	0	0	0	0	0
Loblolly-shortleaf pir	985	102	883	94	35	59	201	11	190
Oak-pine	1,535	76	1,459	97	13	85	133	13	120
Oak-hickory	21,069	104	20,966	994	6	989	2,796	12	2,784
Oak-gum-cypress	328	2	327	3	0	3	53	0	53
Elm-ash-cottonwooc	4,310	32	4,278	136	0	136	740	6	734
Maple-beech-birch	21,678	109	21,568	1,253	7	1,246	3,165	15	3,149
Aspen-birch	7,221	24	7,197	874	1	873	1,975	1	1,974
Other forest types	0	0	0	0	0	0	0	0	0
Nonstocked	290	5	285	22	0	22	79	0	78
Unknown [b]	4	0	4	0	0	0	2	0	2
Northern total:	68,931	1,748	67,183	4,698	314	4,384	11,958	394	11,565
Southern:									
White-red-jack pine	274	42	232	73	3	71	10	0	9
Spruce-fir	5	0	5	3	0	3	0	0	0
Longleaf-slash pine	5,351	3,172	2,179	366	103	263	518	158	359
Loblolly-shortleaf pir	20,274	8,938	11,336	1,240	281	959	748	150	598
Oak-pine	12,184	1,599	10,586	810	70	740	608	36	572
Oak-hickory	31,643	620	31,023	1,933	38	1,895	1,265	9	1,256
Oak-gum-cypress	11,928	64	11,864	219	0	219	1,353	6	1,347
Elm-ash-cottonwooc	953	17	936	4	0	4	98	0	98
Maple-beech-birch	468	3	465	62	0	62	10	0	10
Aspen-birch	0	0	0	0	0	0	0	0	0
Other forest types	1,952	0	1,952	3	0	3	22	0	22
Nonstocked	954	35	919	77	1	76	269	3	266
Unknown [b]	660	0	660	204	0	204	449	0	449
Southern total:	86,646	14,490	72,156	4,994	495	4,499	5,349	361	4,988
Western [c]:									
Douglas-fir	16,947	2,996 [c]	13,951 [c]	9,146	[c]	[c]	2,476	[c]	[c]
Ponderosa pine	13,416	942 [c]	12,474 [c]	7,036	[c]	[c]	1,054	[c]	[c]
Western white pine	239	18 [c]	221 [c]	219	[c]	[c]	3	[c]	[c]
Fir-spruce	28,202	492 [c]	27,710 [c]	9,345	[c]	[c]	8,815	[c]	[c]
Hemlock-Sitka sprui	8,668	79 [c]	8,589 [c]	5,902	[c]	[c]	1,254	[c]	[c]
Larch	516	348 [c]	168 [c]	319	[c]	[c]	41	[c]	[c]
Lodgepole pine	7,088	400 [c]	6,689 [c]	5,159	[c]	[c]	1,180	[c]	[c]
Redwood	371	0 [c]	371 [c]	3	[c]	[c]	105	[c]	[c]
Other softwoods	17,207	79 [c]	17,128 [c]	3,715	[c]	[c]	4,644	[c]	[c]
Western hardwoods	30,353	161 [c]	30,192 [c]	3,442	[c]	[c]	21,621	[c]	[c]
Pinyon-juniper	19,999	0 [c]	19,999 [c]	4,626	[c]	[c]	9,189	[c]	[c]
Chaparral	2,099	0 [c]	2,099 [c]	51	[c]	[c]	686	[c]	[c]
Nonstocked	1,495	0 [c]	1,495 [c]	746	[c]	[c]	189	[c]	[c]
Unknown [b]	118	0 [c]	118 [c]	0	[c]	[c]	114	[c]	[c]
Western total:	146,717	5,514 [c]	141,203 [c]	49,709	[c]	[c]	51,370	[c]	[c]
United States:	302,294	21,752 [c]	280,542 [c]	59,401	[c]	[c]	68,677	[c]	[c]

Table 8—(continued).

Forest type group[a]	Forest industry			Nonindustrial private		
	Total	Planted	Natural	Total	Planted	Natural
	Thousand hectares					
Northern:						
White-red-jack pine	263	85	178	2,843	506	2,337
Spruce-fir	1,674	34	1,640	2,692	82	2,610
Longleaf-slash pine	0	0	0	0	0	0
Loblolly-shortleaf pin	46	15	31	644	41	603
Oak-pine	63	2	62	1,241	48	1,193
Oak-hickory	534	10	524	16,745	76	16,669
Oak-gum-cypress	5	0	5	267	2	266
Elm-ash-cottonwood	125	0	125	3,309	26	3,283
Maple-beech-birch	2,682	13	2,670	14,577	74	14,504
Aspen-birch	648	3	645	3,724	19	3,705
Other forest types	0	0	0	0	0	0
Nonstocked	18	1	17	171	4	167
Unknown[b]	0	0	0	2	0	2
Northern total:	6,059	164	5,895	46,216	877	45,339
Southern:						
White-red-jack pine	9	6	3	182	33	149
Spruce-fir	0	0	0	2	0	2
Longleaf-slash pine	1,714	1,413	301	2,754	1,498	1,255
Loblolly-shortleaf pin	6,379	4,430	1,949	11,907	4,078	7,830
Oak-pine	2,101	719	1,383	8,666	775	7,891
Oak-hickory	2,302	252	2,050	26,143	321	25,822
Oak-gum-cypress	2,218	20	2,198	8,138	38	8,100
Elm-ash-cottonwood	100	6	93	751	11	740
Maple-beech-birch	6	0	6	391	3	388
Aspen-birch	0	0	0	0	0	0
Other forest types	0	0	0	1,927	0	1,927
Nonstocked	162	13	149	446	18	428
Unknown[b]	0	0	0	6	0	6
Southern total:	14,990	6,859	8,131	61,313	6,775	54,538
Western[c]:						
Douglas-fir	2,387	[c]	[c]	2,938	[c]	[c]
Ponderosa pine	1,037	[c]	[c]	4,289	[c]	[c]
Western white pine	6	[c]	[c]	10	[c]	[c]
Fir-spruce	627	[c]	[c]	9,415	[c]	[c]
Hemlock-Sitka spruc	756	[c]	[c]	756	[c]	[c]
Larch	68	[c]	[c]	87	[c]	[c]
Lodgepole pine	225	[c]	[c]	524	[c]	[c]
Redwood	162	[c]	[c]	101	[c]	[c]
Other softwoods	806	[c]	[c]	8,043	[c]	[c]
Western hardwoods	42	[c]	[c]	5,248	[c]	[c]
Pinyon-juniper	51	[c]	[c]	6,133	[c]	[c]
Chaparral	37	[c]	[c]	1,325	[c]	[c]
Nonstocked	139	[c]	[c]	420	[c]	[c]
Unknown[b]	0	[c]	[c]	3	[c]	[c]
Western total:	6,344	[c]	[c]	39,294	[c]	[c]
United States:	27,393	[c]	[c]	146,823	[c]	[c]

[a] Forest type reflects the current dominant species by plurality of stocking and may not reflect the actual species planted at the time of stand origin.

[b] Some low productivity and reserved forest land has not been inventoried and its forest type group remains unclassified.

[c] Approximately 5.5 million hectares of forest in the West are planted, primarily to augment natural regeneration after a harvest and ensure adequate stocking of desired species. The species planted are usually native, making these stands difficult to detect during field sampling. Additionally, there are thousands of hectares of more traditional "plantations" such as those found in the East that are not currently identified during field sampling. Refer to the text accompanying this report for a discussion of planted forest in the West.

Note: Data may not add to totals because of rounding.

Table 9—Forest land area in the United States by average d.b.h. class and forest type group, 1997

Forest type group	Total	Average d.b.h class (centimeters)			
		2.5 - 12.7	12.8 - 25.4	25.4+	Un-determined[a]
		Thousand hectares			
East:					
White-red-jack pine	4,722	608	1,090	3,024	0
Spruce-fir	7,066	2,475	2,632	1,874	85
Longleaf-slash pine	5,351	1,804	1,702	1,822	22
Loblolly-shortleaf pine	21,259	6,797	6,127	8,281	54
Oak-pine	13,720	4,870	3,406	5,430	13
Oak-hickory	52,712	11,457	14,799	25,706	750
Oak-gum-cypress	12,256	2,191	2,444	7,354	268
Elm-ash-cottonwood	5,263	1,312	1,523	2,416	12
Maple-beech-birch	22,146	3,549	7,004	11,593	0
Aspen-birch	7,221	2,709	2,906	1,603	2
Other forest types	1,953	0	0	0	1,952
Nonstocked	1,244	958	0	0	286
Unknown[b]	664	3	0	3	658
East total:	155,577	38,733	43,636	69,104	4,103
West:					
Douglas-fir	16,947	2,674	1,570	11,974	730
Ponderosa pine	13,416	1,657	1,268	10,079	412
Western white pine	239	48	19	154	18
Fir-spruce	28,202	5,837	2,257	10,149	9,959
Hemlock-Sitka spruce	8,668	936	492	5,472	1,768
Larch	516	97	103	300	16
Lodgepole pine	7,088	1,191	2,302	2,626	969
Redwood	371	13	18	270	71
Other softwoods	30,353	1,943	510	905	26,994
Western hardwoods	17,207	2,909	5,227	4,633	4,438
Pinyon-juniper	19,999	2,393	6,741	8,698	2,166
Chaparral	2,099	13	4	34	2,048
Nonstocked	1,495	1,073	3	0	418
Unknown[b]	118	0	0	0	118
West total:	146,717	20,784	20,514	55,293	50,125
United States:	302,294	59,518	64,151	124,397	54,228

[a] Undetermined stands are predominantly in reserved and low productivity forests that currently do not have field data to establish average d.b.h.

[b] Some low productivity and reserved forest land has not been inventoried and its forest type group remains unclassified.

Note: Data may not add to totals because of rounding.

Table 10—Timberland area in the United States by ownership, region, subregion, and State, 1997, 1987, 1977, 1963, and 1953

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
North:												
Northeast:												
Connecticut	1997	734	101	4	0	0	4	66	31	634	0	634
	1987	719	100	6	0	0	6	63	30	619	0	619
	1977	731	59	1	0	0	1	49	10	671	0	671
	1963	767	63	0	0	0	0	49	13	704	1	703
	1953	798	63	0	0	0	0	49	13	736	1	735
Delaware	1997	152	5	0	0	0	0	5	0	147	13	134
	1987	157	6	0	0	0	0	6	0	151	12	139
	1977	155	6	0	0	0	0	5	0	150	12	138
	1963	158	4	0	0	0	0	3	0	155	10	144
	1953	159	5	0	0	0	0	4	1	153	8	145
Maine	1997	6,861	255	21	13	0	8	190	44	6,606	2,954	3,652
	1987	6,950	200	31	19	0	12	134	36	6,750	3,353	3,397
	1977	6,825	219	30	15	0	15	143	46	6,606	3,271	3,335
	1963	6,790	83	27	16	0	11	26	30	6,707	2,639	4,068
	1953	6,722	74	36	16	0	21	17	21	6,648	2,678	3,970
Maryland	1997	981	114	9	0	0	9	96	9	867	56	812
	1987	996	113	9	0	0	9	96	9	883	54	829
	1977	1,021	98	10	0	0	10	75	13	923	56	866
	1963	1,152	87	22	0	0	22	52	13	1,065	23	1,042
	1953	1,155	87	22	0	0	22	52	13	1,069	23	1,046
Massachusetts	1997	1,200	194	19	0	0	19	111	64	1,006	29	977
	1987	1,218	192	16	0	0	16	118	57	1,026	33	994
	1977	1,132	148	4	0	0	4	97	47	984	12	972
	1963	1,231	161	12	0	0	12	113	36	1,069	12	1,057
	1953	1,319	161	12	0	0	12	113	36	1,157	105	1,053
New Hampshire	1997	1,842	321	178	169	0	9	92	50	1,521	208	1,314
	1987	1,944	319	217	205	0	12	54	48	1,625	268	1,357
	1977	1,899	235	191	186	0	5	32	12	1,664	383	1,281
	1963	1,998	282	234	230	0	4	27	21	1,716	321	1,395
	1953	1,950	276	237	235	0	2	18	21	1,674	312	1,362
New Jersey	1997	754	202	20	0	0	20	142	40	552	0	552
	1987	775	216	100	0	0	100	91	25	559	0	559
	1977	752	129	11	0	0	11	100	18	622	6	616
	1963	915	103	7	0	0	7	96	0	813	2	811
	1953	830	73	0	0	0	0	53	20	756	2	755
New York	1997	6,235	467	35	4	0	31	345	87	5,768	494	5,274
	1987	6,393	492	50	2	0	47	364	78	5,902	452	5,450
	1977	6,234	396	38	2	0	36	292	66	5,838	418	5,420
	1963	5,430	362	40	0	0	40	289	34	5,068	474	4,593
	1953	4,837	362	40	0	0	40	289	34	4,475	474	4,000
Pennsylvania	1997	6,416	1,424	201	181	0	21	1,128	94	4,992	248	4,744
	1987	6,442	1,411	220	193	0	26	1,105	86	5,031	356	4,675
	1977	6,444	1,405	204	196	0	7	1,132	70	5,040	390	4,650
	1963	6,588	1,336	196	182	0	14	1,076	63	5,253	179	5,074
	1953	5,898	1,307	199	184	0	15	1,044	64	4,591	179	4,412

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Rhode Island	1997	144	28	2	0	0	2	26	0	116	0	116
	1987	149	32	1	0	0	1	28	3	117	0	117
	1977	160	13	0	0	0	0	8	5	147	0	147
	1963	174	11	0	0	0	0	5	5	163	0	163
	1953	174	11	0	0	0	0	5	5	163	0	163
Vermont	1997	1,805	240	102	89	0	12	110	28	1,566	92	1,474
	1987	1,790	267	102	102	0	0	134	32	1,523	142	1,381
	1977	1,793	171	86	85	0	2	68	17	1,622	270	1,353
	1963	1,704	133	93	90	0	3	32	8	1,571	214	1,357
	1953	1,556	120	81	77	0	3	32	8	1,436	214	1,223
West Virginia	1997	4,816	536	418	366	0	52	103	15	4,280	359	3,921
	1987	4,775	534	433	371	0	62	101	0	4,241	419	3,822
	1977	4,648	454	361	345	0	16	93	0	4,194	356	3,838
	1963	4,609	419	357	352	0	6	58	4	4,190	214	3,975
	1953	4,159	397	362	357	0	6	34	2	3,761	109	3,652
Northeast total:	1997	31,940	3,886	1,008	821	0	187	2,415	464	28,054	4,450	23,604
	1987	32,309	3,881	1,184	892	0	293	2,293	405	28,428	5,089	23,339
	1977	31,794	3,332	936	829	0	106	2,093	304	28,462	5,176	23,286
	1963	31,516	3,043	989	870	0	119	1,827	227	28,473	4,089	24,384
	1953	29,557	2,936	989	868	0	121	1,710	237	26,621	4,105	22,516
North Central:												
Illinois	1997	1,642	169	130	103	0	27	22	17	1,474	5	1,468
	1987	1,631	157	118	91	0	27	22	17	1,474	5	1,468
	1977	1,632	134	110	85	0	25	9	14	1,499	6	1,493
	1963	1,633	97	93	76	0	17	4	0	1,535	7	1,529
	1953	1,550	91	87	74	0	13	4	0	1,459	4	1,454
Indiana	1997	1,757	252	151	69	0	82	96	5	1,505	7	1,498
	1987	1,739	217	133	67	0	66	72	12	1,522	7	1,515
	1977	1,544	166	97	66	0	31	69	0	1,378	11	1,367
	1963	1,590	119	72	45	0	26	47	1	1,471	4	1,468
	1953	1,625	115	70	45	0	24	44	1	1,510	4	1,507
Iowa	1997	787	63	18	0	0	18	30	16	723	0	723
	1987	591	41	17	0	0	17	21	3	550	0	550
	1977	591	45	22	0	0	22	21	2	546	7	539
	1963	809	21	12	1	0	11	9	1	788	2	785
	1953	1,050	15	5	1	0	4	9	1	1,036	0	1,036
Michigan	1997	7,555	2,682	1,070	1,050	0	20	1,509	104	4,872	613	4,260
	1987	7,027	2,545	1,020	1,002	0	18	1,449	76	4,482	796	3,687
	1977	7,365	2,574	1,007	985	3	18	1,523	44	4,791	865	3,926
	1963	7,738	2,545	1,015	975	4	36	1,495	34	5,193	626	4,567
	1953	7,738	2,545	1,015	975	4	36	1,495	34	5,193	626	4,567
Minnesota	1997	5,997	3,108	856	776	11	69	1,239	1,013	2,889	304	2,585
	1987	5,493	2,758	739	676	18	45	1,074	945	2,735	319	2,416
	1977	5,542	2,777	757	694	4	59	1,073	948	2,766	312	2,453
	1963	6,237	3,091	930	867	26	37	1,057	1,105	3,146	290	2,856
	1953	6,710	3,402	946	888	20	38	992	1,465	3,308	234	3,074

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Missouri	1997	5,427	831	651	551	0	100	163	17	4,597	90	4,507
	1987	4,854	671	563	527	0	35	98	10	4,184	93	4,090
	1977	4,973	620	531	504	0	27	76	13	4,353	147	4,206
	1963	5,463	636	551	531	0	21	74	10	4,828	113	4,714
	1953	5,787	654	591	542	0	49	63	0	5,133	186	4,947
Ohio	1997	3,063	215	89	87	0	2	92	34	2,848	71	2,777
	1987	2,890	171	69	69	0	0	70	32	2,719	75	2,644
	1977	2,799	166	68	64	0	4	82	17	2,633	75	2,557
	1963	2,445	146	36	36	0	0	93	17	2,299	30	2,269
	1953	2,206	120	36	36	0	0	68	17	2,085	12	2,073
Wisconsin	1997	6,354	1,840	615	552	0	64	301	923	4,514	446	4,068
	1987	5,960	1,686	574	503	0	72	230	882	4,273	469	3,804
	1977	5,859	1,747	560	512	0	47	230	958	4,112	465	3,647
	1963	5,946	1,805	602	555	2	45	219	984	4,142	378	3,764
	1953	6,212	1,910	657	549	2	106	180	1,073	4,302	381	3,920
North Central total:	1997	32,582	9,160	3,579	3,187	11	381	3,452	2,129	23,423	1,536	21,887
	1987	30,184	8,246	3,234	2,935	18	280	3,036	1,976	21,938	1,765	20,173
	1977	30,306	8,229	3,153	2,911	7	234	3,081	1,996	22,077	1,888	20,189
	1963	31,862	8,460	3,310	3,086	32	193	2,999	2,151	23,402	1,450	21,952
	1953	32,878	8,853	3,408	3,111	26	270	2,855	2,590	24,025	1,448	22,577
North total:	1997	64,523	13,046	4,587	4,008	11	568	5,867	2,593	51,476	5,986	45,491
	1987	62,493	12,127	4,418	3,827	18	573	5,329	2,380	50,366	6,854	43,512
	1977	62,100	11,561	4,088	3,741	7	340	5,174	2,299	50,539	7,063	43,475
	1963	63,378	11,503	4,299	3,956	32	312	4,826	2,378	51,875	5,540	46,336
	1953	62,435	11,789	4,397	3,979	26	392	4,565	2,827	50,646	5,553	45,093
South:												
Southeast:												
Florida	1997	5,911	1,127	635	398	0	237	461	31	4,783	1,625	3,158
	1987	6,064	985	632	401	0	231	329	24	5,079	1,930	3,148
	1977	6,412	871	639	407	0	232	215	16	5,541	1,885	3,656
	1963	6,811	891	656	417	1	238	219	16	5,920	1,929	3,991
	1953	7,339	896	719	419	6	295	155	23	6,443	1,768	4,675
Georgia	1997	9,630	709	558	288	0	271	105	45	8,922	1,773	7,149
	1987	9,575	651	575	320	0	255	48	28	8,924	2,017	6,907
	1977	9,756	643	588	329	0	259	40	15	9,113	1,873	7,239
	1963	10,643	734	679	302	0	377	45	10	9,909	1,646	8,263
	1953	9,700	682	631	261	0	371	41	9	9,018	1,718	7,300
North Carolina	1997	7,543	760	586	409	0	177	140	34	6,783	911	5,871
	1987	7,588	753	583	415	0	168	137	33	6,835	946	5,889
	1977	7,865	695	534	416	0	117	130	32	7,170	866	6,304
	1963	8,090	673	522	418	0	104	124	27	7,417	1,010	6,407
	1953	7,925	623	506	413	0	94	102	15	7,302	1,046	6,256
South Carolina	1997	5,026	436	351	212	0	139	72	13	4,590	940	3,650
	1987	4,929	475	369	234	0	136	94	11	4,454	1,063	3,391
	1977	5,057	439	362	232	0	130	68	9	4,618	896	3,722
	1963	4,925	418	347	228	0	119	62	9	4,507	813	3,694
	1953	4,809	386	325	228	0	97	52	10	4,423	668	3,755

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Virginia	1997	6,210	761	642	553	0	89	86	33	5,449	622	4,827
	1987	6,301	807	691	601	0	89	85	31	5,495	742	4,752
	1977	6,451	777	675	576	0	99	74	28	5,673	676	4,997
	1963	6,375	622	565	487	0	78	36	21	5,754	588	5,166
	1953	6,272	604	548	485	0	64	35	21	5,667	443	5,224
Southeast total:	1997	34,320	3,793	2,773	1,859	0	913	863	157	30,526	5,871	24,655
	1987	34,457	3,671	2,850	1,970	0	880	693	127	30,786	6,698	24,088
	1977	35,540	3,425	2,798	1,960	0	838	527	100	32,115	6,197	25,919
	1963	36,844	3,337	2,769	1,852	1	916	485	83	33,507	5,987	27,520
	1953	36,045	3,192	2,730	1,805	6	919	385	78	32,854	5,643	27,210
South Central:												
Alabama	1997	8,868	457	333	232	0	101	86	39	8,410	1,941	6,469
	1987	8,765	470	385	279	2	104	59	25	8,296	1,807	6,489
	1977	8,700	442	348	267	0	81	70	24	8,259	1,752	6,506
	1963	8,800	406	324	255	1	68	64	19	8,394	1,545	6,849
	1953	8,400	392	320	249	4	67	61	11	8,008	1,270	6,738
Arkansas	1997	7,443	1,325	1,138	951	0	188	159	27	6,118	1,820	4,298
	1987	6,748	1,219	1,076	943	0	134	126	17	5,529	1,716	3,813
	1977	6,796	1,181	1,076	951	0	124	97	8	5,615	1,682	3,933
	1963	8,082	1,156	1,073	965	1	106	79	4	6,926	1,622	5,305
	1953	7,943	1,180	1,133	928	49	156	47	1	6,763	1,682	5,081
Kentucky	1997	4,997	406	349	254	0	95	57	0	4,591	83	4,508
	1987	4,820	360	346	236	0	110	14	0	4,459	83	4,376
	1977	4,817	362	331	238	0	93	31	0	4,455	103	4,351
	1963	4,715	264	233	177	0	55	31	0	4,451	125	4,327
	1953	4,653	293	272	184	0	88	21	0	4,359	125	4,235
Louisiana	1997	5,542	491	286	193	0	93	121	84	5,050	1,578	3,472
	1987	5,614	539	337	251	0	86	134	68	5,075	1,458	3,617
	1977	5,784	414	289	235	0	54	121	4	5,370	1,527	3,843
	1963	6,490	357	285	233	4	48	70	2	6,132	1,227	4,905
	1953	6,491	343	270	217	2	51	72	2	6,148	1,281	4,867
Mississippi	1997	7,522	784	617	442	0	176	126	40	6,739	1,311	5,427
	1987	6,748	696	602	502	0	100	40	53	6,052	1,159	4,893
	1977	6,679	673	486	454	0	32	38	148	6,006	1,212	4,794
	1963	6,898	691	508	449	2	57	22	161	6,206	1,022	5,184
	1953	6,820	692	500	419	2	79	22	170	6,129	996	5,133
Oklahoma	1997	2,523	232	176	87	0	89	48	8	2,290	425	1,866
	1987	2,463	237	188	98	0	89	47	3	2,226	423	1,803
	1977	2,240	181	138	89	0	50	37	6	2,059	408	1,651
	1963	1,980	173	118	90	1	26	55	0	1,807	350	1,457
	1953	2,054	200	125	86	3	36	75	0	1,854	360	1,494
Tennessee	1997	5,368	611	416	225	0	191	171	24	4,758	454	4,304
	1987	5,196	550	388	235	2	150	151	12	4,646	494	4,152
	1977	5,205	470	346	226	0	121	115	9	4,735	490	4,245
	1963	5,409	485	338	239	0	98	139	8	4,924	374	4,550
	1953	5,079	451	326	228	0	98	121	4	4,629	289	4,340

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Texas	1997	4,762	314	267	230	0	37	28	19	4,448	1,505	2,942
	1987	5,024	322	287	247	0	40	30	5	4,702	1,536	3,166
	1977	5,029	313	290	233	0	57	20	3	4,716	1,545	3,171
	1963	5,245	337	316	252	0	64	20	1	4,908	1,361	3,548
	1953	5,294	316	302	265	0	37	14	1	4,977	1,222	3,756
South Central total:	1997	47,024	4,621	3,583	2,613	0	970	796	242	42,404	9,117	33,286
	1987	45,378	4,393	3,609	2,791	4	813	601	183	40,986	8,676	32,310
	1977	45,250	4,036	3,306	2,692	1	612	528	202	41,214	8,720	32,494
	1963	47,618	3,869	3,193	2,660	10	523	480	195	43,749	7,625	36,124
	1953	46,734	3,867	3,247	2,576	59	612	432	189	42,867	7,224	35,643
South total:	1997	81,344	8,414	6,356	4,473	0	1,884	1,659	399	72,930	14,989	57,941
	1987	79,835	8,063	6,459	4,761	4	1,693	1,294	310	71,772	15,374	56,398
	1977	80,790	7,461	6,104	4,652	1	1,450	1,055	302	73,330	14,917	58,412
	1963	84,462	7,206	5,962	4,512	11	1,439	966	278	77,256	13,612	63,644
	1953	82,780	7,059	5,977	4,380	65	1,531	817	266	75,721	12,867	62,853
Rocky Mountain:												
Great Plains:												
Kansas	1997	603	37	21	0	0	21	13	3	566	0	566
	1987	488	19	15	0	0	15	3	1	470	0	470
	1977	480	15	11	0	0	11	3	1	466	0	466
	1963	483	15	11	0	0	11	3	1	469	0	469
	1953	489	11	11	0	0	11	0	0	478	0	478
Nebraska	1997	363	44	20	19	0	1	20	4	320	0	320
	1987	217	22	12	12	0	0	9	2	195	0	195
	1977	240	22	17	12	0	6	4	0	218	0	218
	1963	273	21	17	11	0	6	4	0	252	0	252
	1953	297	23	18	11	0	7	4	0	274	0	274
North Dakota	1997	179	22	12	6	0	6	11	0	157	0	157
	1987	137	15	5	0	0	5	9	1	122	0	122
	1977	164	25	21	0	0	21	4	0	138	0	138
	1963	172	26	22	0	0	22	4	0	145	0	145
	1953	183	28	23	0	0	23	4	0	155	0	155
South Dakota	1997	602	405	383	380	0	3	22	0	196	0	196
	1987	586	407	370	370	0	0	35	1	179	8	170
	1977	594	420	391	386	2	2	28	1	174	6	167
	1963	624	420	394	387	3	4	27	0	203	7	196
	1953	656	420	393	385	3	4	27	0	237	7	230
Great Plains total:	1997	1,747	508	435	404	0	31	65	7	1,239	0	1,239
	1987	1,428	462	402	382	0	20	56	4	966	8	958
	1977	1,478	482	440	397	2	40	40	2	996	6	990
	1963	1,552	482	444	399	3	42	38	1	1,069	7	1,062
	1953	1,624	481	445	396	3	45	36	0	1,144	7	1,137
Intermountain:												
Arizona	1997	1,648	1,123	1,118	1,101	8	10	5	0	525	0	525
	1987	1,533	1,023	1,018	1,000	8	10	5	0	511	0	511
	1977	1,577	1,017	1,004	996	7	0	13	1	559	0	559
	1963	1,495	964	951	950	1	0	13	1	531	0	531
	1953	1,465	932	919	918	1	0	13	1	533	0	533

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Colorado	1997	4,676	3,372	3,225	2,786	433	6	126	21	1,305	0	1,305
	1987	4,751	3,425	3,296	2,858	435	3	111	19	1,326	0	1,326
	1977	4,579	3,305	3,210	3,038	171	2	76	18	1,274	6	1,268
	1963	5,002	3,694	3,599	3,429	168	2	76	18	1,308	6	1,302
	1953	4,971	3,658	3,562	3,392	168	2	77	18	1,313	6	1,308
Idaho	1997	6,930	5,626	5,219	5,000	207	12	397	10	1,304	520	784
	1987	5,882	4,612	4,172	3,928	226	19	419	21	1,270	485	785
	1977	5,480	4,229	3,873	3,704	166	3	348	8	1,251	383	868
	1963	6,364	5,117	4,760	4,553	204	3	350	8	1,247	384	863
	1953	6,289	5,036	4,678	4,470	204	3	351	8	1,253	386	867
Montana	1997	7,756	5,345	5,053	4,695	317	41	289	3	2,411	655	1,756
	1987	5,964	3,797	3,538	3,359	174	4	258	1	2,167	689	1,478
	1977	5,811	3,711	3,495	3,303	170	21	214	2	2,100	427	1,673
	1963	6,811	4,706	4,489	4,274	194	21	215	2	2,105	429	1,677
	1953	6,780	4,666	4,448	4,232	195	22	216	2	2,114	430	1,684
Nevada	1997	68	35	28	23	2	3	7	0	33	10	23
	1987	89	44	43	40	2	0	1	0	45	0	45
	1977	54	27	25	25	0	0	1	0	28	3	24
	1963	57	30	28	28	0	0	1	0	28	3	25
	1953	57	30	28	28	0	0	1	0	28	3	25
New Mexico	1997	1,956	1,163	1,124	1,106	18	0	34	5	792	0	792
	1987	2,096	1,216	1,171	1,159	12	0	45	0	880	2	878
	1977	2,241	1,229	1,160	1,140	16	4	69	0	1,012	0	1,012
	1963	2,325	1,294	1,225	1,190	31	4	70	0	1,032	56	976
	1953	2,277	1,241	1,172	1,137	31	4	70	0	1,036	56	980
Utah	1997	1,902	1,547	1,458	1,321	137	0	86	3	355	0	355
	1987	1,246	1,004	936	853	71	13	61	7	242	0	242
	1977	1,378	1,081	984	922	62	0	97	0	297	0	297
	1963	1,567	1,235	1,138	1,075	63	0	97	0	332	0	332
	1953	1,571	1,238	1,140	1,077	63	0	98	0	333	0	333
Wyoming	1997	2,058	1,473	1,391	1,199	192	0	82	0	584	0	584
	1987	1,753	1,169	1,087	895	192	0	82	0	584	15	569
	1977	1,754	1,358	1,313	1,232	81	0	45	0	396	22	374
	1963	1,911	1,513	1,468	1,308	160	0	45	0	397	22	375
	1953	1,917	1,518	1,474	1,313	161	0	45	0	399	22	377
Intermountain total:	1997	26,994	19,684	18,616	17,232	1,313	71	1,026	42	7,310	1,184	6,126
	1987	23,315	16,290	15,261	14,091	1,120	49	983	47	7,025	1,191	5,834
	1977	22,874	15,956	15,063	14,360	673	30	864	29	6,918	841	6,076
	1963	25,531	18,552	17,657	16,807	820	30	867	29	6,979	900	6,079
	1953	25,328	18,320	17,420	16,566	823	30	871	29	7,009	904	6,105
Rocky Mountain total:	1997	28,741	20,192	19,052	17,636	1,313	102	1,091	49	8,549	1,184	7,365
	1987	24,743	16,753	15,663	14,473	1,120	70	1,038	51	7,991	1,200	6,791
	1977	24,352	16,438	15,503	14,757	675	70	904	31	7,914	848	7,066
	1963	27,083	19,035	18,101	17,206	823	72	905	30	8,047	907	7,141
	1953	26,953	18,800	17,865	16,963	826	76	907	30	8,153	911	7,242

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Pacific Coast:												
Alaska:												
Alaska	1997	5,016	3,483	1,743	1,530	165	48	1,732	8	1,534	0	1,534
	1987	6,379	3,876	1,998	1,811	136	50	1,871	8	2,503	0	2,503
	1977	7,981	7,756	6,374	2,642	3,681	51	1,374	7	226	0	226
	1963	8,142	7,984	7,869	2,763	5,055	51	113	2	158	0	158
	1953	8,232	8,129	8,097	2,782	5,264	51	30	2	104	0	104
Alaska total:	1997	5,016	3,483	1,743	1,530	165	48	1,732	8	1,534	0	1,534
	1987	6,379	3,876	1,998	1,811	136	50	1,871	8	2,503	0	2,503
	1977	7,981	7,756	6,374	2,642	3,681	51	1,374	7	226	0	226
	1963	8,142	7,984	7,869	2,763	5,055	51	113	2	158	0	158
	1953	8,232	8,129	8,097	2,782	5,264	51	30	2	104	0	104
Pacific Northwest:												
Oregon	1997	9,611	6,120	5,754	4,856	896	2	330	37	3,491	2,028	1,462
	1987	9,228	5,709	5,333	4,398	932	2	335	41	3,518	2,070	1,449
	1977	9,798	5,966	5,592	4,708	881	2	332	43	3,832	2,235	1,597
	1963	10,370	6,165	5,786	4,883	900	3	323	57	4,205	2,059	2,146
	1953	10,396	5,952	5,526	4,571	951	3	323	103	4,444	1,886	2,558
Washington	1997	7,049	3,425	2,513	2,443	14	56	824	89	3,624	1,663	1,961
	1987	7,088	3,214	2,303	2,236	15	53	820	91	3,874	1,857	2,017
	1977	7,253	3,095	2,178	2,091	19	68	843	74	4,158	1,748	2,410
	1963	7,633	3,285	2,359	2,264	38	57	850	76	4,347	1,756	2,592
	1953	7,765	3,315	2,380	2,264	70	46	848	87	4,450	1,775	2,676
Pacific Northwest total:	1997	16,660	9,546	8,267	7,299	909	59	1,154	126	7,115	3,691	3,423
	1987	16,315	8,923	7,636	6,634	947	55	1,154	132	7,393	3,926	3,466
	1977	17,051	9,062	7,770	6,799	900	70	1,175	117	7,990	3,983	4,007
	1963	18,002	9,450	8,145	7,147	938	60	1,172	133	8,552	3,815	4,737
	1953	18,161	9,266	7,906	6,836	1,021	49	1,170	190	8,895	3,661	5,234
Pacific Southwest:												
California	1997	7,265	4,256	4,176	4,082	88	6	64	15	3,010	1,207	1,803
	1987	6,763	3,706	3,663	3,538	121	4	38	5	3,057	1,116	1,941
	1977	6,598	3,456	3,413	3,306	91	16	32	11	3,142	1,087	2,054
	1963	6,960	3,770	3,741	3,609	116	16	27	2	3,190	989	2,200
	1953	6,931	3,614	3,533	3,388	129	16	78	3	3,317	877	2,440
Hawaii	1997	283	137	0	0	0	0	136	1	146	0	146
	1987	283	137	0	0	0	0	136	1	147	0	147
	1977	384	184	5	0	0	5	179	0	200	0	200
	1963	441	201	4	0	0	4	197	0	240	0	240
	1953	441	201	4	0	0	4	197	0	240	0	240
Pacific Southwest total:	1997	7,548	4,392	4,176	4,082	88	6	200	16	3,156	1,207	1,949
	1987	7,047	3,843	3,663	3,538	121	4	174	6	3,204	1,116	2,088
	1977	6,981	3,640	3,418	3,306	91	21	211	11	3,342	1,087	2,254
	1963	7,401	3,971	3,745	3,609	116	20	224	2	3,430	989	2,440
	1953	7,372	3,815	3,537	3,388	129	20	275	3	3,557	877	2,680

Table 10—(continued)

Region, subregion, and State	Year	All ownerships	Public							Private[b]		
				Federal								
			Total public	Total Federal	National forest[a]	Bureau of Land Management	Other	State	County and municipal	Total private	Forest industry	Non-industrial private
			Thousand hectares									
Pacific Coast total:	1997	29,225	17,421	14,185	12,910	1,162	113	3,085	150	11,804	4,898	6,906
	1987	29,741	16,642	13,297	11,983	1,205	109	3,199	146	13,099	5,042	8,057
	1977	32,014	20,457	17,562	12,747	4,673	142	2,760	134	11,557	5,070	6,487
	1963	33,545	21,405	19,758	13,519	6,108	131	1,510	137	12,140	4,804	7,336
	1953	33,766	21,101	19,540	13,005	6,414	120	1,476	195	12,556	4,538	8,018
United States:	1997	203,833	59,073	44,180	39,027	2,486	2,667	11,702	3,190	144,760	27,057	117,703
	1987	196,812	53,585	39,836	35,044	2,347	2,445	10,861	2,888	143,228	28,469	114,758
	1977	199,256	55,917	43,257	35,897	5,357	2,003	9,894	2,766	143,339	27,899	115,440
	1963	208,468	59,150	48,120	39,193	6,973	1,954	8,206	2,824	149,319	24,862	124,457
	1953	205,933	58,858	47,777	38,328	7,332	2,118	7,763	3,317	147,076	23,869	123,207

[a] 1987 data for National Forests in Oregon and Washington were underreported in several forest types and stand-size classes and may not be reliable for regional trend analysis.

[b] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 11—Timberland area in the United States by ownership group, region, subregion, and State, 1997

Region, subregion, and State	All ownerships	Ownership group			
		National forest	Other public	Forest industry	Non-industrial private
	Thousand hectares				
North:					
Northeast:					
Connecticut	734	0	101	0	634
Delaware	152	0	5	13	134
Maine	6,861	13	242	2,954	3,652
Maryland	981	0	114	56	812
Massachusetts	1,200	0	194	29	977
New Hampshire	1,842	169	152	208	1,314
New Jersey	754	0	202	0	552
New York	6,235	4	463	494	5,274
Pennsylvania	6,416	181	1,243	248	4,744
Rhode Island	144	0	28	0	116
Vermont	1,805	89	151	92	1,474
West Virginia	4,816	366	170	359	3,921
Total	31,940	821	3,065	4,450	23,604
North Central:					
Illinois	1,642	103	66	5	1,468
Indiana	1,757	69	184	7	1,498
Iowa	787	0	63	0	723
Michigan	7,555	1,050	1,633	613	4,260
Minnesota	5,997	776	2,332	304	2,585
Missouri	5,427	551	280	90	4,507
Ohio	3,063	87	128	71	2,777
Wisconsin	6,354	552	1,288	446	4,068
Total	32,582	3,187	5,973	1,536	21,887
North total:	64,523	4,008	9,038	5,986	45,491
South:					
Southeast:					
Florida	5,911	398	729	1,625	3,158
Georgia	9,630	288	421	1,773	7,149
North Carolina	7,543	409	351	911	5,871
South Carolina	5,026	212	224	940	3,650
Virginia	6,210	553	208	622	4,827
Total	34,320	1,859	1,934	5,871	24,655
South Central:					
Alabama	8,868	232	226	1,941	6,469
Arkansas	7,443	951	374	1,820	4,298
Kentucky	4,997	254	152	83	4,508
Louisiana	5,542	193	299	1,578	3,472
Mississippi	7,522	442	342	1,311	5,427
Oklahoma	2,523	87	146	425	1,866
Tennessee	5,368	225	386	454	4,304
Texas	4,762	230	84	1,505	2,942
Total	47,024	2,613	2,007	9,117	33,286
South total:	81,344	4,473	3,941	14,989	57,941
Rocky Mountain:					
Great Plains:					
Kansas	603	0	37	0	566
Nebraska	363	19	25	0	320
North Dakota	179	6	16	0	157
South Dakota	602	380	26	0	196
Total	1,747	404	104	0	1,239
Intermountain:					
Arizona	1,648	1,101	22	0	525
Colorado	4,676	2,786	585	0	1,305
Idaho	6,930	5,000	626	520	784
Montana	7,756	4,695	650	655	1,756
Nevada	68	23	12	10	23
New Mexico	1,956	1,106	57	0	792
Utah	1,902	1,321	225	0	355
Wyoming	2,058	1,199	274	0	584
Total	26,994	17,232	2,452	1,184	6,126
Rocky Mountain Total	28,741	17,636	2,556	1,184	7,365
Pacific Coast:					
Alaska:					
Alaska	5,016	1,530	1,953	0	1,534
Total	5,016	1,530	1,953	0	1,534
Pacific Northwest:					
Oregon	9,611	4,856	1,265	2,028	1,462
Washington	7,049	2,443	982	1,663	1,961
Total	16,660	7,299	2,247	3,691	3,423
Pacific Southwest:					
California	7,265	4,082	174	1,207	1,803
Hawaii	283	0	137	0	146
Total	7,548	4,082	311	1,207	1,949
Pacific Coast total:	29,225	12,910	4,510	4,898	6,906
United States:	203,833	39,027	20,045	27,057	117,703

Note: Data may not add to totals because of rounding.

Table 12—Timberland area in the Eastern United States by forest type group, subregion, and stand-age class, 1997

Subregion and stand-age class	All forest types	Forest type group											
		White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked
(Years)						*Thousand hectares*							
Northeast:													
0 to 19	1,299	36	207	0	34	14	189	2	44	571	186	0	15
20 to 39	3,698	281	387	0	129	100	795	26	289	1,340	337	0	15
40 to 59	6,097	559	355	0	225	311	2,216	47	231	1,852	302	0	0
60 to 79	7,136	449	528	0	107	246	2,788	49	114	2,625	229	0	0
80 to 99	4,361	299	346	0	30	63	1,631	15	66	1,776	134	0	0
100 to 149	1,771	140	383	0	7	38	492	1	23	662	24	0	0
150 to 199	70	2	45	0	0	0	0	0	0	19	3	0	0
200 and older	8	0	8	0	0	0	0	0	0	0	0	0	0
Uneven aged	7,501	773	808	0	95	209	1,774	32	166	3,311	321	0	12
Total	31,940	2,541	3,067	0	627	981	9,885	172	934	12,157	1,535	0	42
North Central:													
0 to 19	4,524	329	300	0	37	65	968	7	356	1,023	1,342	0	97
20 to 39	5,828	524	655	0	84	102	1,361	29	675	1,237	1,146	0	13
40 to 59	8,266	495	744	0	93	147	2,398	34	827	2,001	1,522	0	6
60 to 79	6,963	202	640	0	42	92	2,449	34	658	1,868	975	0	2
80 to 99	3,657	104	375	0	19	40	1,651	20	278	958	211	0	1
100 to 149	1,972	48	320	0	3	14	775	5	145	606	56	0	0
150 to 199	93	1	38	0	0	0	20	2	5	26	2	0	0
200 and older	10	2	3	0	0	0	0	0	1	2	1	0	0
Uneven aged	1,269	9	2	0	10	12	598	9	168	441	15	0	2
Total	32,582	1,714	3,078	0	289	473	10,219	139	3,114	8,163	5,271	0	122
Southeast:													
0 to 19	11,443	31	0	1,865	4,189	1,726	2,261	912	59	4	0	0	396
20 to 39	7,020	50	0	1,176	2,517	879	1,553	736	66	5	0	0	38
40 to 59	7,474	52	3	628	1,680	1,050	2,664	1,262	90	23	0	0	23
60 to 79	5,587	59	2	316	514	684	2,626	1,243	67	66	0	0	10
80 to 99	1,968	15	0	56	78	210	997	562	26	22	0	0	3
100 to 149	194	2	0	4	1	13	112	61	0	0	0	0	1
150 to 199	631	9	0	1	17	44	336	204	5	15	0	0	0
200 and older	2	0	0	0	0	2	0	0	0	0	0	0	0
Uneven aged	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	34,320	218	5	4,046	8,995	4,608	10,549	4,981	312	135	0	0	471
South Central:													
0 to 19	11,559	4	0	417	4,782	2,045	3,448	647	102	10	0	0	104
20 to 39	15,093	22	0	658	4,684	3,301	5,081	1,169	130	45	0	0	4
40 to 59	12,266	10	0	159	1,401	1,743	6,279	2,429	169	75	0	0	0
60 to 79	4,552	4	0	27	189	226	2,240	1,717	83	66	0	0	0
80 to 99	1,489	0	0	6	21	72	836	472	43	39	0	0	0
100 to 149	4	0	0	0	0	0	4	0	0	0	0	0	0
150 to 199	277	0	0	0	0	5	261	0	2	9	0	0	0
200 and older	0	0	0	0	0	0	0	0	0	0	0	0	0
Uneven aged	1,784	3	0	0	49	64	1,378	117	90	84	0	0	0
Total	47,024	41	0	1,267	11,077	7,392	18,148	6,435	528	244	0	0	108
East total:													
0 to 19	28,825	400	507	2,282	9,042	3,849	6,866	1,569	561	1,609	1,529	0	612
20 to 39	31,639	877	1,042	1,834	7,414	4,383	8,790	1,959	1,159	2,627	1,483	0	71
40 to 59	34,104	1,117	1,102	787	3,399	3,250	13,557	3,773	1,316	3,951	1,824	0	28
60 to 79	24,238	714	1,170	344	852	1,249	10,103	3,043	922	4,624	1,204	0	13
80 to 99	11,475	417	721	62	148	386	5,115	1,068	414	2,795	345	0	4
100 to 149	3,941	190	702	4	11	66	1,383	67	168	1,269	79	0	1
150 to 199	1,071	13	83	1	17	49	616	206	13	69	5	0	0
200 and older	20	2	11	0	0	2	0	0	1	2	1	0	0
Uneven aged	10,554	785	810	0	155	285	3,750	158	424	3,836	336	0	14
Total	145,867	4,515	6,150	5,313	21,037	13,519	50,180	11,844	4,977	20,784	6,806	0	743

Note: Data may not add to totals because of rounding.

Table 13—Timberland area in the Western United States by forest type group, subregion, and stand-age class, 1997

Subregion and stand-age class	All forest types	Forest type group												
		Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked
(Years)		*Thousand hectares*												
Great Plains:														
0 to 19	182	0	20	0	0	0	0	0	0	32	125	0	0	5
20 to 39	376	0	8	0	0	0	0	0	0	38	329	0	0	1
40 to 59	385	0	17	0	0	0	0	0	0	27	340	0	0	2
60 to 79	349	0	49	0	0	0	0	0	0	60	238	0	0	2
80 to 99	298	0	106	0	4	0	0	0	0	74	111	0	0	3
100 to 149	112	0	107	0	4	0	0	0	0	0	1	0	0	0
150 to 199	39	0	38	0	1	0	0	0	0	0	0	0	0	0
200 and older	7	0	7	0	0	0	0	0	0	0	0	0	0	0
Uneven aged	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,747	0	352	0	9	0	0	0	0	230	1,144	0	0	12
Intermountain:														
0 to 19	2,705	669	724	19	496	48	41	283	0	60	308	26	0	31
20 to 39	1,089	216	157	12	309	22	34	136	0	32	168	2	0	0
40 to 59	2,327	615	530	16	380	95	37	311	0	28	313	1	0	0
60 to 79	5,417	1,385	1,525	0	751	127	93	798	0	59	659	19	0	0
80 to 99	6,061	1,588	1,557	6	1,037	156	72	939	0	55	634	15	0	0
100 to 149	6,120	1,674	1,082	0	1,672	107	46	1,041	0	118	311	69	0	0
150 to 199	2,459	746	365	0	783	46	26	336	0	120	21	17	0	0
200 and older	816	246	81	0	324	9	4	81	0	69	1	0	0	0
Uneven aged	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,994	7,141	6,023	53	5,752	611	353	3,924	0	541	2,416	148	0	31
Alaska:														
0 to 19	204	0	0	0	19	101	0	0	0	0	63	0	0	21
20 to 39	536	0	0	0	55	15	0	0	0	1	450	0	0	16
40 to 59	871	0	0	0	363	23	0	0	0	32	451	0	0	1
60 to 79	463	0	0	0	196	6	0	0	0	7	254	0	0	0
80 to 99	440	0	0	0	179	116	0	0	0	3	142	0	0	0
100 to 149	496	0	0	0	169	55	0	0	0	15	243	0	0	13
150 to 199	379	0	0	0	220	116	0	0	0	1	43	0	0	0
200 and older	1,549	0	0	0	24	1,519	0	0	0	0	1	0	0	6
Uneven aged	77	0	0	0	32	0	0	0	0	3	38	0	0	3
Total	5,016	0	0	0	1,257	1,950	0	0	0	63	1,686	0	0	61
Pacific Northwest:														
0 to 19	2,869	1,299	255	3	169	348	7	162	0	14	338	31	0	244
20 to 39	2,191	1,030	114	5	76	370	4	64	0	10	511	0	0	5
40 to 59	2,488	1,132	281	2	82	345	12	147	2	3	467	3	0	11
60 to 79	2,210	895	492	0	187	177	35	158	0	3	243	18	0	3
80 to 99	1,977	728	513	2	235	136	23	168	0	14	139	17	0	1
100 to 149	2,798	1,046	578	6	514	246	20	202	0	28	123	28	0	6
150 to 199	1,191	408	222	1	267	178	11	49	0	9	37	8	0	0
200 and older	937	307	88	1	201	253	3	24	0	6	48	3	0	2
Uneven aged	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16,660	6,844	2,544	21	1,731	2,053	116	974	2	86	1,907	108	0	273

Table 13—(continued).

Subregion and stand-age class	All forest types	Forest type group												
		Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other softwoods	Western hardwoods	Pinyon-juniper	Chaparral	Nonstocked
(Years)		*Thousand hectares*												
Pacific Southwest:														
0 to 19	978	68	227	1	32	0	0	4	18	188	225	2	0	214
20 to 39	460	67	112	0	12	0	0	0	69	4	196	0	0	0
40 to 59	652	34	234	0	15	3	0	3	82	29	253	0	0	0
60 to 79	835	39	416	7	49	0	0	7	58	1	258	0	0	0
80 to 99	1,010	69	513	0	146	0	0	14	23	27	218	0	0	0
100 to 149	2,133	111	1,049	9	557	0	0	17	20	162	207	0	0	0
150 to 199	903	255	253	7	277	2	0	12	3	50	44	0	0	0
200 and older	577	158	137	14	100	0	0	10	23	103	30	0	0	0
Uneven aged	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7,548	800	2,941	39	1,188	5	0	67	296	566	1,431	2	0	214
West total:														
0 to 19	6,938	2,036	1,226	23	716	496	48	448	18	294	1,060	59	0	515
20 to 39	4,653	1,313	392	17	452	408	38	200	69	86	1,654	2	0	22
40 to 59	6,723	1,781	1,063	18	840	466	49	461	84	119	1,824	4	0	14
60 to 79	9,274	2,318	2,482	7	1,183	310	128	962	58	130	1,653	37	0	5
80 to 99	9,785	2,385	2,690	8	1,602	408	95	1,121	23	173	1,244	32	0	4
100 to 149	11,658	2,831	2,816	15	2,916	408	66	1,260	20	324	885	96	0	19
150 to 199	4,971	1,410	878	8	1,548	341	37	397	3	179	145	25	0	0
200 and older	3,886	711	313	16	649	1,781	8	115	23	177	81	3	0	8
Uneven aged	77	0	0	0	32	0	0	0	0	3	38	0	0	3
Total	57,966	14,785	11,860	113	9,938	4,618	470	4,965	299	1,486	8,584	258	0	591

Note: Data may not add to totals because of rounding.

Table 14—Timberland area in the United States by forest type group, subregion, and stand-size class, 1997

Subregion and stand-size class	All forest types	Forest type group											
		White-red-jack pine	Spruce-fir	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood	Maple-beech-birch	Aspen-birch	Other forest types	Non-stocked
		Thousand hectares											
Northeast:													
Nonstocked	42	0	0	0	0	0	0	0	0	0	0	0	42
Seedling-sapling	4,972	143	854	0	139	105	1,047	33	251	1,789	610	0	0
Poletimber	10,531	426	1,211	0	209	354	3,190	52	329	4,047	713	0	0
Sawtimber	16,396	1,971	1,001	0	279	523	5,648	87	354	6,321	211	0	0
Total	31,940	2,541	3,067	0	627	981	9,885	172	934	12,157	1,535	0	42
North Central:													
Nonstocked	121	0	0	0	0	0	0	0	0	0	0	0	121
Seedling-sapling	7,948	408	1,250	0	67	113	1,728	7	739	1,628	2,009	0	0
Poletimber	10,127	590	1,109	0	85	155	2,722	24	927	2,555	1,960	0	0
Sawtimber	14,385	716	720	0	137	206	5,770	108	1,447	3,979	1,302	0	0
Total	32,582	1,714	3,078	0	289	473	10,219	139	3,114	8,163	5,271	0	122
Southeast:													
Nonstocked	471	0	0	0	0	0	0	0	0	0	0	0	471
Seedling-sapling	10,324	21	2	1,475	3,142	1,940	2,569	1,108	64	4	0	0	0
Poletimber	9,059	28	2	1,362	2,830	994	2,604	1,155	65	19	0	0	0
Sawtimber	14,465	169	1	1,209	3,023	1,674	5,376	2,718	183	112	0	0	0
Total	34,320	218	5	4,046	8,995	4,608	10,549	4,981	312	135	0	0	471
South Central:													
Nonstocked	108	0	0	0	0	0	0	0	0	0	0	0	108
Seedling-sapling	13,400	10	0	328	3,402	2,666	5,805	1,003	138	49	0	0	0
Poletimber	12,148	3	0	340	2,951	1,848	5,618	1,167	126	94	0	0	0
Sawtimber	21,369	31	0	599	4,772	2,943	8,103	4,382	353	186	0	0	0
Total	47,024	43	0	1,267	11,126	7,456	19,526	6,551	618	329	0	0	108
East total:													
Nonstocked	742	0	0	0	0	0	0	0	0	0	0	0	742
Seedling-sapling	36,645	581	2,106	1,803	6,750	4,823	11,149	2,151	1,192	3,470	2,620	0	0
Poletimber	41,866	1,047	2,322	1,702	6,075	3,350	14,135	2,398	1,447	6,715	2,673	0	0
Sawtimber	66,614	2,887	1,722	1,808	8,212	5,345	24,897	7,295	2,338	10,598	1,513	0	0
Total	145,867	4,515	6,150	5,313	21,037	13,519	50,180	11,844	4,977	20,784	6,806	0	743

Table 14—(continued).

Subregion and stand-size class	All forest types	Forest type group												
		Douglas-fir	Ponderosa pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other soft-woods	Western hard-woods	Pinyon-juniper	Chaparral	Nonstocked
		Thousand hectares												
Great Plains:														
Nonstocked	21	0	9	0	0	0	0	0	0	0	0	0	0	30
Seedling-sapling	308	0	14	0	0	0	0	0	0	60	234	0	0	0
Poletimber	508	0	93	0	1	0	0	0	0	49	365	0	0	0
Sawtimber	910	0	237	0	8	0	0	0	0	121	545	0	0	0
Total	1,747	0	352	0	9	0	0	0	0	230	1,144	0	0	30
Intermountain:														
Nonstocked	1,078	259	450	3	164	15	3	49	0	44	60	0	0	77
Seedling-sapling	2,648	641	368	23	639	49	73	451	0	50	351	2	0	0
Poletimber	4,888	681	496	15	569	65	76	1,614	0	119	1,209	45	0	0
Sawtimber	18,380	5,559	4,709	12	4,381	482	202	1,810	0	328	796	100	0	0
Total	26,994	7,141	6,023	53	5,752	611	353	3,924	0	541	2,416	148	0	77
Alaska:														
Nonstocked	66	0	0	0	3	0	0	0	0	2	0	0	0	150
Seedling-sapling	884	0	0	0	187	129	0	0	0	32	537	0	0	0
Poletimber	1,119	0	0	0	308	61	0	0	0	28	722	0	0	0
Sawtimber	2,947	0	0	0	759	1,760	0	0	0	1	426	0	0	0
Total	5,016	0	0	0	1,257	1,950	0	0	0	63	1,686	0	0	150
Pacific Northwest:														
Nonstocked	424	33	81	0	8	3	1	11	0	0	6	11	0	667
Seedling-sapling	3,624	1,521	321	15	392	480	15	423	0	30	423	3	0	0
Poletimber	2,194	710	260	1	110	199	24	273	0	19	589	5	0	8
Sawtimber	10,419	4,580	1,882	4	1,222	1,370	77	267	2	37	888	88	0	0
Total	16,660	6,844	2,544	21	1,731	2,053	116	974	2	86	1,907	108	0	675
Pacific Southwest:														
Nonstocked	717	5	50	0	4	0	0	0	0	370	74	0	0	528
Seedling-sapling	522	79	226	0	53	0	0	4	13	15	131	2	0	0
Poletimber	891	66	302	0	70	0	0	10	18	153	273	0	0	0
Sawtimber	5,418	651	2,363	39	1,061	5	0	53	266	28	953	0	0	0
Total	7,548	800	2,941	39	1,188	5	0	67	296	566	1,431	2	0	528
West total:														
Nonstocked	2,306	297	589	3	179	18	4	61	0	417	140	11	0	1,453
Seedling-sapling	7,986	2,241	929	38	1,270	658	88	878	13	186	1,677	7	0	0
Poletimber	9,599	1,457	1,151	16	1,058	324	99	1,896	18	368	3,158	51	0	8
Sawtimber	38,074	10,790	9,190	55	7,431	3,617	279	2,130	268	515	3,609	189	0	0
Total	57,966	14,785	11,860	113	9,938	4,618	470	4,965	299	1,486	8,584	258	0	1,460

Note: Data may not add to totals because of rounding.

Table 15—Area of timberland in the United States by stand-size class and region and subregion, 1997, 1987, 1977, 1963, and 1953

Region and subregion	Year	Total	Sawtimber	Poletimber	Seedling/ sapling	Nonstocked
			Thousand hectares			
North:						
Northeast	1997	31,940	16,396	10,531	4,972	42
	1987	32,309	16,714	11,165	4,321	110
	1977	31,794	13,679	8,747	8,527	840
	1963	31,516	12,989	12,128	5,488	911
	1953	29,557	11,186	12,257	5,112	1,003
North Central	1997	32,582	14,385	10,127	7,948	121
	1987	30,184	10,529	11,339	7,698	618
	1977	30,306	8,892	12,050	8,422	943
	1963	31,862	7,511	11,222	8,789	4,340
	1953	32,878	6,238	10,810	10,734	5,095
North total:	1997	64,523	30,781	20,659	12,920	163
	1987	62,494	27,243	22,504	12,019	728
	1977	62,100	22,571	20,797	16,950	1,782
	1963	63,378	20,500	23,350	14,277	5,251
	1953	62,435	17,424	23,067	15,846	6,098
South:						
Southeast	1997	34,320	14,465	9,059	10,324	471
	1987	34,457	14,737	10,194	8,205	1,321
	1977	35,540	13,306	11,582	8,969	1,683
	1963	36,844	13,265	10,396	9,617	3,567
	1953	36,045	10,388	12,023	8,824	4,810
South Central	1997	47,024	21,369	12,148	13,400	108
	1987	45,378	19,677	14,038	11,606	57
	1977	45,250	17,721	13,198	13,894	437
	1963	47,618	16,044	19,657	10,707	1,210
	1953	46,734	16,081	21,519	7,305	1,829
South total:	1997	81,344	35,833	21,207	23,724	579
	1987	79,835	34,414	24,232	19,810	1,378
	1977	80,790	31,027	24,780	22,863	2,121
	1963	84,462	29,309	30,052	20,324	4,777
	1953	82,780	26,469	33,542	16,129	6,639
East total:	1997	145,867	66,614	41,866	36,645	742
	1987	142,328	61,653	46,741	31,829	2,105
	1977	142,890	53,598	45,577	39,812	3,903
	1963	147,841	49,809	53,403	34,601	10,028
	1953	145,215	43,893	56,609	31,975	12,737

Table 15—(continued).

Region and subregio	Year	Total	Sawtimber	Poletimber	Seedling/ sapling	Nonstocked
			Thousand hectares			
Rocky Mountain:						
Great Plains	1997	1,747	910	508	308	21
	1987	1,428	807	307	273	41
	1977	1,478	811	306	160	201
	1963	1,552	629	462	229	231
	1953	1,624	543	527	344	211
Intermountain	1997	26,994	18,380	4,888	2,648	1,078
	1987	23,315	16,401	3,826	2,553	536
	1977	22,874	14,521	4,936	2,377	1,040
	1963	25,531	15,018	6,690	2,209	1,614
	1953	25,328	11,984	7,856	3,571	1,917
Rocky Mountain total:	1997	28,741	19,290	5,395	2,956	1,099
	1987	24,743	17,207	4,132	2,826	577
	1977	24,352	15,331	5,242	2,537	1,242
	1963	27,083	15,647	7,152	2,439	1,845
	1953	26,953	12,527	8,383	3,915	2,128
Pacific Coast:						
Alaska	1997	5,016	2,947	1,119	885	66
	1987	6,379	4,110	1,221	981	68
	1977	7,981	5,905	1,006	1,009	60
	1963	8,142	7,301	304	454	83
	1953	8,232	7,891	144	144	52
Pacific Northwest	1997	16,660	10,419	2,194	3,624	424
	1987	16,315	9,750	3,105	2,996	464
	1977	17,051	10,615	2,912	2,716	808
	1963	18,002	11,794	3,183	2,416	610
	1953	18,161	11,480	3,407	2,197	1,078
Pacific Southwest	1997	7,548	5,418	891	522	717
	1987	7,046	5,563	646	792	45
	1977	6,981	4,883	583	807	708
	1963	7,401	5,255	390	52	1,704
	1953	7,372	5,752	534	39	1,047
Pacific Coast total:	1997	29,225	18,783	4,204	5,031	1,207
	1987	29,741	19,423	4,972	4,768	578
	1977	32,013	21,404	4,501	4,532	1,576
	1963	33,545	24,350	3,877	2,922	2,397
	1953	33,766	25,123	4,085	2,380	2,177
West total:	1997	57,966	38,074	9,599	7,987	2,306
	1987	54,484	36,631	9,105	7,594	1,155
	1977	56,365	36,735	9,744	7,069	2,818
	1963	60,628	39,997	11,028	5,360	4,242
	1953	60,718	37,650	12,468	6,295	4,305
United States:	1997	203,833	104,688	51,465	44,631	3,049
	1987	196,812	98,283	55,846	39,423	3,260
	1977	199,255	90,333	55,320	46,881	6,721
	1963	208,468	89,806	64,431	39,961	14,271
	1953	205,933	81,543	69,077	38,270	17,042

Note: Data may not add to totals because of rounding.

Table 16—Timberland area in the United States by major geographic region and forest type group, 1997, 1987, 1977, 1963, and 1953

Region	Year	All eastern types	White-red-jack pine	Spruce-fir	Loblolly-Longleaf-slash pine	Loblolly-shortleaf-pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch	Aspen-birch	Non-stocked
						Thousand hectares							
North	1997	64,523	4,254	6,145	0	916	1,455	20,105	312	4,047	20,320	6,806	164
	1987	62,493	5,273	6,646	0	928	1,399	18,594	315	4,455	17,104	7,020	759
	1977	62,100	4,598	7,069	0	999	1,261	17,103	210	7,305	13,881	7,750	1,924
	1963	63,378	4,081	7,510	0	1,335	605	19,709	485	6,427	12,248	9,077	1,901
	1953	62,435	3,618	7,644	0	1,444	414	18,800	490	7,961	9,408	9,971	2,684
South	1997	81,344	261	5	5,313	20,121	12,064	30,075	11,532	930	464	0	579
	1987	79,835	210	7	6,330	18,897	11,349	28,831	11,168	1,229	358	0	1,457
	1977	80,790	165	3	6,768	19,196	12,729	26,834	10,569	1,688	719	0	2,118
	1963	84,462	178	6	10,078	21,126	9,838	25,011	14,062	1,401	229	0	2,534
	1953	82,780	133	5	10,897	20,960	9,701	22,206	13,962	1,640	303	0	2,973
East total:	1997	145,867	4,515	6,150	5,313	21,037	13,519	50,180	11,844	4,977	20,784	6,806	743
	1987	142,328	5,580	6,780	6,235	19,561	12,605	47,349	11,322	5,751	17,782	7,153	2,209
	1977	142,890	4,763	7,073	6,768	20,195	13,989	43,938	10,779	8,993	14,600	7,750	4,042
	1963	147,841	4,258	7,516	10,078	22,461	10,444	44,720	14,548	7,828	12,477	9,077	4,435
	1953	145,215	3,751	7,648	10,897	22,404	10,114	41,007	14,452	9,601	9,712	9,971	5,657

Table 16—(continued).

Region	Year	All western types	Douglas-fir	Ponderosa-Jeffrey pine	Western white pine	Fir-spruce	Hemlock-Sitka spruce	Larch	Lodgepole pine	Redwood	Other western softwood types	Western hardwood types	Pinyon-juniper	Non-stocked
							Thousand hectares							
Rocky Mountain	1997	28,741	7,141	6,375	53	5,761	611	353	3,924	0	771	3,560	148	44
	1987	24,743	5,714	5,890	112	4,728	640	751	4,036	0	129	2,066	677	638
	1977	24,352	5,152	6,186	135	4,268	525	737	4,138	0	214	1,920	1,078	1,034
	1963	27,083	5,272	7,403	925	3,514	78	1,047	5,161	0	0	2,329	1,354	1,327
	1953	26,953	4,825	7,608	1,081	3,047	40	1,083	5,393	0	0	2,266	1,608	1,312
Pacific West	1997	24,209	7,645	5,485	59	2,920	2,057	116	1,041	299	652	3,338	110	487
	1987	23,362	8,000	4,547	6	4,224	1,632	353	904	457	129	2,772	338	329
	1977	24,033	7,554	4,844	51	3,317	1,950	276	1,181	268	0	3,062	1,530	1,531
	1963	25,403	8,899	6,372	984	2,477	1,590	321	980	594	0	1,916	1,270	1,312
	1953	25,533	8,356	6,589	1,132	1,797	1,975	359	1,094	519	0	1,932	1,780	1,768
Alaska	1997	5,016	0	0	0	1,257	1,950	0	0	0	63	1,686	0	61
	1987	6,379	0	0	0	2,291	2,250	0	0	0	73	1,764	2	2
	1977	7,981	0	0	0	1,099	4,882	0	0	0	0	1,966	35	20
	1963	8,142	0	0	0	0	7,735	0	0	0	0	0	407	112
	1953	8,232	0	0	0	0	7,867	0	0	0	0	0	366	77
West total:	1997	57,966	14,785	11,860	113	9,938	4,618	470	4,965	299	1,486	8,584	258	591
	1987	54,485	13,714	10,438	117	11,244	4,522	1,104	4,940	457	331	6,601	1,016	969
	1977	56,366	12,706	11,029	186	8,684	7,358	1,014	5,319	268	214	6,948	2,642	2,585
	1963	60,628	14,171	13,774	1,909	5,991	9,403	1,368	6,141	594	0	4,245	3,031	2,752
	1953	60,718	13,181	14,197	2,213	4,844	9,882	1,443	6,487	519	0	4,198	3,754	3,157

Table 17—Net volume of timber on timberland in the United States by class of timber, species group, region, subregion, and State, 1997

Region, subregion, and State	All timber			Growing stock			Live cull			Sound dead		
	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods
	Million cubic meters											
North:												
Northeast:												
Connecticut	83	13	70	78	12	65	3	0	3	2	0	2
Delaware	19	5	14	18	5	13	1	0	1	1	0	0
Maine	631	348	283	591	331	261	30	11	19	10	6	4
Maryland	135	24	111	128	23	105	6	0	6	1	0	1
Massachusetts	150	48	102	138	45	92	11	2	9	2	1	1
New Hampshire	274	115	159	256	108	148	15	5	10	3	2	2
New Jersey	70	15	55	67	15	53	2	0	2	1	0	1
New York	653	159	494	618	153	465	31	5	26	5	1	3
Pennsylvania	732	68	665	705	66	639	21	1	20	6	1	6
Rhode Island	12	1	11	11	1	10	1	0	1	0	0	0
Vermont	267	87	180	246	81	164	18	4	13	4	2	2
West Virginia	601	36	565	575	35	539	24	0	23	3	0	3
Total	3,629	919	2,710	3,429	876	2,554	161	29	132	39	14	25
North Central:												
Illinois	153	3	150	137	3	133	15	0	14	2	0	2
Indiana	221	8	213	195	8	187	26	1	25	0	0	0
Iowa	73	1	72	47	1	47	25	1	24	1	0	1
Michigan	839	232	607	757	215	542	75	14	61	7	2	5
Minnesota	494	142	353	432	133	299	55	7	48	8	2	6
Missouri	394	27	368	255	24	230	137	2	135	2	0	2
Ohio	300	12	288	287	11	276	10	0	10	2	0	2
Wisconsin	603	136	468	524	126	398	64	6	58	16	4	12
Total	3,078	560	2,518	2,634	522	2,112	406	30	376	38	8	29
North total:	6,707	1,479	5,228	6,063	1,397	4,666	568	60	508	76	22	54
South:												
Southeast:												
Florida	482	270	212	435	267	168	47	3	44	0	0	0
Georgia	953	434	519	897	431	466	55	3	53	0	0	0
North Carolina	984	358	626	927	355	572	55	2	53	2	1	1
South Carolina	507	230	277	472	227	245	34	2	32	1	1	0
Virginia	811	191	620	750	188	561	60	2	58	1	0	1
Total	3,736	1,482	2,254	3,480	1,468	2,013	251	12	239	5	2	2
South Central:												
Alabama	702	321	381	653	314	339	47	5	42	2	1	1
Arkansas	679	273	406	614	264	349	59	6	54	6	3	3
Kentucky	473	35	437	451	34	417	18	1	17	4	0	3
Louisiana	588	287	301	533	281	252	54	5	48	1	0	1
Mississippi	644	267	377	583	261	323	58	4	53	3	2	1
Oklahoma	139	41	97	103	40	62	35	1	34	0	0	0
Tennessee	521	85	435	471	82	389	46	3	44	4	1	3
Texas	404	228	176	366	223	143	37	4	33	2	1	0
Total	4,149	1,537	2,612	3,775	1,499	2,275	353	29	324	21	9	12
South total:	7,885	3,019	4,866	7,255	2,967	4,288	604	40	564	26	11	15

Table 17—(continued).

Region, subregion, and state	All timber			Growing stock			Live cull			Sound dead		
	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods
						Million cubic meters						
Rocky Mountain:												
Great Plains:												
Kansas	57	1	56	35	0	35	20	0	20	2	0	2
Nebraska	38	7	30	24	6	18	13	1	12	1	0	1
North Dakota	15	0	14	9	0	9	4	0	4	1	0	1
South Dakota	47	39	8	42	38	5	4	1	3	1	1	0
Total	157	48	109	111	44	67	41	2	38	5	1	3
Intermountain:												
Arizona	202	177	24	169	159	10	28	15	13	4	3	1
Colorado	633	508	125	567	457	109	8	6	3	58	45	13
Idaho	1,189	1,163	26	1,111	1,089	22	19	18	2	59	57	2
Montana	1,084	1,067	17	985	969	16	14	13	1	85	84	0
Nevada	13	11	2	10	9	1	1	0	0	3	2	1
New Mexico	187	160	27	158	142	16	22	12	10	7	5	2
Utah	252	196	57	208	162	47	12	9	4	32	25	6
Wyoming	256	241	16	227	214	12	5	3	2	25	23	1
Total	3,816	3,523	293	3,435	3,201	233	109	75	33	273	246	27
Rocky Mountain total	3,973	3,570	402	3,546	3,245	300	149	77	72	277	247	30
Pacific Coast:												
Alaska:												
Alaska	992	897	95	933	844	89	19	14	5	40	39	1
Total	992	897	95	933	844	89	19	14	5	40	39	1
Pacific Northwest:												
Oregon	2,485	2,282	203	2,357	2,173	185	26	11	15	102	98	3
Washington	1,923	1,732	190	1,860	1,675	185	8	4	4	55	53	1
Total	4,408	4,015	393	4,217	3,848	369	34	15	20	156	152	4
Pacific Southwest:												
California	1,671	1,411	260	1,627	1,391	236	36	12	24	7	7	0
Hawaii	9	0	9	8	0	8	1	0	1	0	0	0
Total	1,680	1,411	269	1,635	1,392	244	37	12	25	8	7	0
Pacific Coast total:	7,080	6,323	757	6,785	6,083	702	91	41	50	204	198	5
United States:	25,645	14,392	11,254	23,649	13,693	9,956	1,412	219	1,193	583	479	104

Note: Data may not add to totals because of rounding.

Table 18—Net volume of softwood growing stock on timberland in the United States by ownership group, region, subregion, and State, 1997, 1987, 1977, 1963, and 1953

Region, subregion, and State	All owners					National forest					Other public [a]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
North:															
Northeast:															
Connecticut	12	12	12	6	4	0	0	0	0	0	1	2	1	1	0
Delaware	5	5	5	7	7	0	0	0	0	0	0	0	0	0	0
Maine	331	411	454	356	286	1	1	1	1	0	14	15	7	4	3
Maryland	23	23	22	22	20	0	0	0	0	0	2	2	2	1	1
Massachusetts	45	48	41	28	18	0	0	0	0	0	6	8	7	3	2
New Hampshire	108	96	100	72	62	9	10	8	8	7	10	6	2	2	2
New Jersey	15	16	7	8	7	0	0	0	0	0	6	7	2	1	1
New York	153	140	100	86	78	0	0	0	0	0	21	18	13	11	10
Pennsylvania	66	56	50	41	35	2	2	2	1	1	11	7	6	5	4
Rhode Island	1	2	3	1	0	0	0	0	0	0	0	1	0	0	0
Vermont	81	57	52	39	35	2	1	1	1	1	4	4	3	1	1
West Virginia	35	30	31	17	14	8	5	7	4	3	2	1	1	1	1
Total	876	895	877	680	567	22	19	18	15	13	79	71	44	30	25
North Central:															
Illinois	3	3	2	1	0	1	1	1	0	0	1	1	0	0	0
Indiana	8	6	2	1	1	1	1	0	0	0	1	0	1	0	0
Iowa	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	215	186	147	103	67	43	38	27	17	8	57	49	37	24	15
Minnesota	133	116	98	96	76	29	26	25	26	22	59	53	44	44	32
Missouri	24	17	11	9	7	9	8	5	5	4	2	1	0	0	0
Ohio	11	9	8	3	3	1	1	0	0	0	1	1	1	0	0
Wisconsin	126	116	95	60	44	18	18	13	8	4	28	32	22	14	14
Total	522	453	364	272	199	101	93	72	56	38	149	137	106	83	61
North total:	1,397	1,348	1,241	953	766	123	112	90	71	51	228	208	150	113	86
South:															
Southeast:															
Florida	267	263	248	189	152	28	25	26	19	16	44	33	21	11	9
Georgia	431	449	456	354	304	14	11	13	11	10	34	27	24	23	19
North Carolina	355	348	326	273	257	15	15	14	10	10	21	16	11	10	8
South Carolina	227	250	246	172	136	16	21	21	17	16	17	17	13	9	3
Virginia	188	179	168	149	156	10	9	9	6	7	10	10	8	6	7
Total	1,468	1,489	1,444	1,137	1,006	85	81	83	63	59	126	103	78	59	45
South Central:															
Alabama	314	321	325	246	166	16	19	16	12	8	8	6	6	5	3
Arkansas	264	243	226	164	131	54	47	43	33	25	8	6	4	2	1
Kentucky	34	31	26	16	14	4	5	4	5	4	1	0	0	2	2
Louisiana	281	299	264	180	120	21	22	20	14	8	10	8	6	3	2
Mississippi	261	276	253	149	104	39	42	35	31	16	14	8	11	6	10
Oklahoma	40	28	29	20	15	6	5	4	3	2	2	2	1	0	0
Tennessee	82	77	62	42	35	9	10	8	8	6	9	7	5	3	3
Texas	223	225	236	172	119	32	34	30	33	19	4	4	4	2	1
Total	1,499	1,500	1,421	988	705	181	183	160	138	88	55	41	38	23	22
South total:	2,967	2,989	2,864	2,125	1,711	266	264	244	201	147	181	144	116	82	67

Table 18—(continued).

Region, subregion, and State	All owners					National forest					Other public [a]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
Rocky Mountain:															
Great Plains:															
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebraska	6	5	4	3	2	2	1	1	1	1	1	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	38	49	47	39	35	31	36	38	32	30	1	3	3	2	1
Total	44	54	51	42	37	32	37	39	33	30	2	4	3	2	2
Intermountain:															
Arizona	159	169	135	133	130	111	118	91	87	82	1	50	41	43	45
Colorado	457	459	357	333	309	334	334	268	250	232	39	39	20	19	17
Idaho	1,089	908	896	856	812	837	663	611	572	535	95	98	92	88	85
Montana	969	781	784	843	774	712	526	512	555	494	66	70	72	71	66
Nevada	9	11	7	7	7	4	6	2	2	2	2	0	0	0	0
New Mexico	142	159	164	162	156	88	106	81	80	73	4	19	38	38	38
Utah	162	111	101	105	103	129	86	79	83	79	11	10	12	12	13
Wyoming	214	185	197	157	149	158	129	158	120	115	20	25	16	15	14
Total	3,201	2,784	2,641	2,597	2,441	2,373	1,968	1,803	1,749	1,612	236	310	292	285	279
Rocky Mountain total:	3,245	2,838	2,692	2,638	2,478	2,405	2,005	1,842	1,782	1,642	238	314	295	287	281
Pacific Coast:															
Alaska:															
Alaska	844	1,049	1,366	1,399	1,391	530	681	1,002	1,082	1,099	144	166	345	309	285
Total	844	1,049	1,366	1,399	1,391	530	681	1,002	1,082	1,099	144	166	345	309	285
Pacific Northwest:															
Oregon	2,173	1,997	2,115	2,361	2,479	1,358	1,191	1,271	1,361	1,287	341	362	360	375	432
Washington	1,675	1,702	1,636	1,742	1,754	773	665	646	718	722	275	390	374	370	357
Total	3,848	3,698	3,751	4,103	4,233	2,131	1,856	1,917	2,079	2,009	616	753	733	745	789
Pacific Southwest:															
California	1,391	1,310	1,301	1,510	1,642	836	770	794	832	837	37	35	31	41	54
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,392	1,311	1,301	1,510	1,642	836	770	794	832	837	37	35	31	41	54
Pacific Coast total:	6,083	6,058	6,418	7,012	7,266	3,497	3,308	3,714	3,993	3,946	798	955	1,110	1,095	1,128
United States:	13,693	13,232	13,215	12,728	12,220	6,292	5,688	5,889	6,048	5,786	1,446	1,620	1,671	1,577	1,562

Table 18—(continued).

Region, subregion, and State	Forest Industry					Nonindustrial private [a]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
North:										
Northeast:										
Connecticut	0	0	0	0	0	11	10	11	5	4
Delaware	1	1	1	0	0	4	4	4	6	6
Maine	135	222	258	148	119	180	173	188	203	163
Maryland	2	2	3	2	2	19	18	18	19	18
Massachusetts	2	2	1	2	1	37	38	33	22	14
New Hampshire	8	12	23	12	10	81	68	68	49	43
New Jersey	0	0	0	0	0	9	9	5	7	6
New York	10	11	11	9	8	122	110	76	66	60
Pennsylvania	2	3	2	2	1	51	45	41	33	28
Rhode Island	0	0	0	0	0	1	1	3	1	0
Vermont	2	4	6	6	5	73	48	42	31	28
West Virginia	2	4	3	1	1	24	21	21	11	9
Total	164	260	306	182	148	610	545	509	454	380
North Central:										
Illinois	0	0	0	0	0	1	1	1	0	0
Indiana	0	0	0	0	0	6	5	1	1	0
Iowa	0	0	0	0	0	1	0	0	0	0
Michigan	22	25	23	18	16	93	73	60	44	28
Minnesota	9	10	7	8	7	37	27	22	18	16
Missouri	1	1	1	0	0	13	8	5	4	3
Ohio	1	0	0	0	0	9	8	6	2	2
Wisconsin	8	12	17	11	3	72	54	42	27	23
Total	40	47	48	37	26	231	177	139	96	74
North total:	205	307	354	219	174	841	721	647	549	454
South:										
Southeast:										
Florida	65	76	79	61	48	129	130	122	99	80
Georgia	91	97	80	67	57	291	314	338	253	218
North Carolina	53	47	33	38	44	265	270	268	215	196
South Carolina	47	50	40	33	20	146	162	172	113	96
Virginia	32	33	27	23	24	136	127	124	114	119
Total	290	303	259	221	193	967	1,002	1,023	793	710
South Central:										
Alabama	85	79	82	68	46	206	216	221	161	109
Arkansas	98	90	88	90	67	104	99	90	40	38
Kentucky	0	0	0	0	0	29	26	21	9	8
Louisiana	81	79	77	80	55	170	190	161	82	55
Mississippi	54	52	49	41	41	154	175	158	70	37
Oklahoma	16	10	15	13	10	15	12	9	4	3
Tennessee	9	8	7	3	2	56	52	43	28	24
Texas	60	64	91	75	53	127	123	111	62	45
Total	403	382	408	370	276	861	893	814	456	319
South total:	692	686	667	591	468	1,828	1,895	1,837	1,250	1,029

Table 18—(continued).

Region, Subregion, and State	Forest Industry					Nonindustrial private [a]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
Rocky Mountain:										
Great Plains:										
Kansas	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	4	4	3	2	1
North Dakota	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	1	0	0	6	9	5	4	4
Total	0	0	1	0	0	10	13	8	7	5
Intermountain:										
Arizona	0	0	0	0	0	46	1	3	3	3
Colorado	0	0	1	1	1	85	86	68	64	59
Idaho	73	65	82	95	97	83	81	110	102	95
Montana	61	84	59	81	88	131	102	140	136	127
Nevada	1	0	0	0	0	3	5	4	4	4
New Mexico	0	0	0	3	3	50	34	45	41	42
Utah	0	0	0	0	0	21	15	10	10	11
Wyoming	0	1	2	2	1	36	31	21	20	18
Total	135	151	145	182	191	457	356	401	380	359
Rocky Mountain total:	135	151	145	182	191	467	369	410	387	364
Pacific Coast:										
Alaska:										
Alaska	0	0	0	0	0	169	201	19	8	6
Total	0	0	0	0	0	169	201	19	8	6
Pacific Northwest:										
Oregon	274	283	343	438	539	199	159	142	188	220
Washington	326	408	388	450	499	300	239	228	204	177
Total	600	691	731	888	1,039	500	398	370	392	396
Pacific Southwest:										
California	243	224	211	273	319	275	281	264	365	432
Hawaii	0	0	0	0	0	0	0	0	0	0
Total	243	224	211	273	319	275	281	264	365	432
Pacific Coast total:	843	915	942	1,161	1,357	944	880	653	765	834
United States:	1,875	2,059	2,108	2,153	2,191	4,080	3,866	3,547	2,951	2,681

[a] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 19—Net volume of growing stock on timberland in the Eastern United States by species, region and subregion, 1997, 1987, 1977, and 1963

Region and subregion	Year	Total all species	Softwoods									
			Total soft-woods	Longleaf and slash pines	Loblolly and shortleaf pines	Other yellow pines	White and red pines	Jack pine	Spruce and balsam fir	Eastern hemlock	Cypress	Other soft-woods
		Million cubic meters										
North:												
Northeast	1997	3,429	876	0	18	49	268	0	260	197	0	84
	1987	3,173	895	0	19	45	226	0	367	166	0	72
	1977	2,782	877	0	19	39	202	0	422	142	0	55
	1963	2,175	680	0	20	32	140	1	312	116	0	58
North Central	1997	2,634	522	0	21	11	158	44	130	31	1	127
	1987	2,205	453	0	16	4	124	47	133	25	1	103
	1977	1,831	364	0	11	6	68	52	114	36	1	75
	1963	1,455	272	0	9	3	51	43	84	29	0	53
North total:	1997	6,063	1,397	0	39	59	426	44	389	227	1	211
	1987	5,378	1,348	0	34	49	350	47	501	191	1	175
	1977	4,613	1,241	0	30	45	270	52	536	177	1	130
	1963	3,631	953	0	29	35	191	44	396	146	0	112
South:												
Southeast	1997	3,480	1,468	313	771	194	49	0	1	12	115	14
	1987	3,418	1,489	357	748	198	41	0	1	11	122	12
	1977	3,161	1,444	348	733	195	30	0	1	9	116	11
	1963	2,467	1,137	268	619	117	14	0	1	7	104	8
South Central	1997	3,775	1,499	138	1,175	79	8	0	0	6	66	28
	1987	3,505	1,500	143	1,189	76	6	0	0	3	63	21
	1977	3,160	1,421	145	1,135	67	5	0	0	2	52	15
	1963	2,459	988	108	789	38	4	0	0	5	38	7
South total:	1997	7,255	2,967	451	1,946	273	57	0	1	18	181	42
	1987	6,923	2,989	499	1,937	273	47	0	1	14	185	32
	1977	6,321	2,864	492	1,868	262	35	0	1	11	168	26
	1963	4,926	2,125	376	1,408	155	18	0	1	12	142	14
East total:	1997	13,318	4,364	451	1,985	332	483	44	390	245	181	253
	1987	12,301	4,336	499	1,972	322	397	47	501	206	186	207
	1977	10,935	4,105	492	1,898	307	305	52	537	188	169	156
	1963	8,557	3,078	376	1,436	189	209	44	397	158	142	126

Table 19—(continued).

Region and subregion	Year	Hardwoods									
		Total hard-woods	Select white oaks	Select red oaks	Other white oaks	Other red oaks	Hickory	Yellow birch	Hard maple	Soft maple	Beech
		Million cubic meters									
North:											
Northeast	1997	2,554	126	244	121	140	81	87	326	474	155
	1987	2,279	124	230	139	153	79	85	286	383	133
	1977	1,905	134	216	130	138	73	69	219	301	108
	1963	1,495	96	185	105	72	51	107	166	184	112
North Central	1997	2,112	214	169	42	161	101	22	237	217	32
	1987	1,752	170	135	43	144	82	19	179	157	24
	1977	1,467	149	113	39	130	74	23	136	93	25
	1963	1,183	106	95	11	66	41	25	114	73	24
North total:	1997	4,666	339	413	163	300	182	109	563	691	186
	1987	4,030	294	365	183	297	161	104	465	540	157
	1977	3,372	258	345	164	226	125	105	367	424	149
	1963	2,678	172	331	188	129	92	192	298	330	201
South:											
Southeast	1997	2,013	203	88	170	348	102	2	13	162	28
	1987	1,929	188	87	157	335	103	2	11	148	27
	1977	1,718	174	75	142	307	104	2	8	109	23
	1963	1,330	135	56	110	222	94	1	4	72	16
South Central	1997	2,275	260	131	203	450	216	0	40	65	41
	1987	2,006	226	112	190	426	205	0	26	49	34
	1977	1,740	187	87	180	356	193	0	21	37	30
	1963	1,471	149	58	159	273	164	0	12	25	32
South total:	1997	4,288	463	219	373	798	317	2	53	226	70
	1987	3,934	414	199	348	761	308	2	38	196	60
	1977	3,457	361	162	321	662	296	2	30	147	53
	1963	2,801	283	114	268	494	257	1	16	99	47
East total:	1997	8,954	802	633	536	1,099	499	111	616	917	256
	1987	7,965	707	565	530	1,058	470	106	503	737	217
	1977	6,829	629	488	500	931	437	96	362	543	192
	1963	5,479	485	378	476	727	395	136	230	358	202

Table 19—(continued).

Region and subregion	Year	Hardwoods								
		Sweet-gum	Tupelo and black gum	Ash	Bass-wood	Yellow poplar	Cotton-wood and aspen	Black walnut	Black cherry[a]	Other hard-woods
		Million cubic meters								
North:										
Northeast	1997	16	17	134	42	134	102	8	133	216
	1987	14	14	103	33	83	91	6	106	217
	1977	12	12	75	30	74	61	5	85	163
	1963	13	9	54	35	56	49	4	0	196
North Central	1997	4	6	136	88	48	341	23	46	227
	1987	3	2	103	70	30	298	17	32	241
	1977	4	3	80	53	18	274	13	15	225
	1963	5	2	60	43	12	249	10	0	247
North total:	1997	20	22	270	129	182	444	31	179	442
	1987	17	16	207	103	113	389	23	138	458
	1977	18	15	146	76	100	310	16	100	428
	1963	23	17	96	62	100	87	8	0	350
South:										
Southeast	1997	214	205	50	9	270	3	6	9	131
	1987	212	222	49	9	237	3	5	6	127
	1977	194	211	42	7	191	3	4	4	117
	1963	158	201	38	7	109	2	5	0	102
South Central	1997	256	116	76	8	150	18	10	13	222
	1987	233	112	63	7	109	16	8	0	188
	1977	193	111	56	7	81	14	8	6	173
	1963	171	115	50	8	52	13	8	0	182
South total:	1997	471	321	126	17	419	20	16	22	353
	1987	445	334	112	16	346	19	13	6	315
	1977	387	324	98	14	273	17	12	10	289
	1963	330	318	88	15	162	15	13	0	282
East total:	1997	491	344	396	147	601	464	47	201	796
	1987	462	351	319	119	459	408	36	144	773
	1977	442	370	239	84	389	297	27	101	703
	1963	440	421	180	62	278	80	22	0	608

[a] Separate black cherry data not available for 1963, included in other hardwoods category.
Note: Data may not add to totals because of rounding.

Table 20—Net volume of growing stock on timberland in the Western United States by species, subregion, and State, 1997

Subregion and State	All species	Softwoods								
		Total soft-woods	Douglas-fir	Ponderosa and Jeffrey pines	True fir	Western hemlock	Sugar pine	Western white pine	Redwood	Sitka spruce
		Million cubic meters								
Great Plains:										
Kansas	35	0	0	0	0	0	0	0	0	0
Nebraska	24	6	0	0	0	0	0	0	0	0
North Dakota	9	0	0	0	0	0	0	0	0	0
South Dakota	42	38	0	29	0	0	0	0	0	0
Total	111	44	0	29	0	0	0	0	0	0
Intermountain:										
Arizona	169	159	16	124	8	0	0	0	0	0
Colorado	567	457	59	60	71	0	0	0	0	0
Idaho	1,111	1,089	349	77	266	25	0	12	0	0
Montana	985	969	299	80	99	6	0	3	0	0
Nevada	10	9	0	3	3	0	0	0	0	0
New Mexico	158	142	27	75	21	0	0	0	0	0
Utah	208	162	41	13	42	0	0	0	0	0
Wyoming	227	214	31	33	25	0	0	0	0	0
Total	3,435	3,201	822	465	535	30	0	15	0	0
Alaska:										
Alaska	933	844	0	0	0	323	0	0	0	241
Total	933	844	0	0	0	323	0	0	0	241
Pacific Northwest:										
Oregon	2,357	2,173	1,247	231	251	181	19	7	1	8
Washington	1,860	1,675	721	97	211	380	0	4	0	2
Total	4,217	3,848	1,969	327	462	561	19	11	1	9
Pacific Southwest:										
California	1,627	1,391	393	275	378	1	84	8	130	0
Hawaii	8	0	0	0	0	0	0	0	0	0
Total	1,635	1,392	393	275	378	1	84	8	130	0
West total:	10,331	9,329	3,184	1,096	1,375	915	103	34	131	250

Table 20—(continued).

Subregion and State	Softwoods - continued						Hardwoods				
	Engelmann and other spruces	Western larch	Incense-cedar	Lodgepole pine	Western red-cedar[a]	Other soft-woods	Total hard-woods	Cotton-wood and aspen	Red alder	Oak	Other hard-woods
	Million cubic meters										
Great Plains:											
Kansas	0	0	0	0	0	0	35	0	0	0	35
Nebraska	0	0	0	0	0	6	18	0	0	0	18
North Dakota	0	0	0	0	0	0	9	0	0	0	9
South Dakota	1	0	0	0	0	7	5	0	0	0	4
Total	1	0	0	0	0	14	67	0	0	0	67
Intermountain:											
Arizona	8	0	0	0	0	4	10	9	0	0	1
Colorado	161	0	0	104	0	2	109	109	0	0	0
Idaho	71	41	0	156	63	29	22	18	0	0	4
Montana	97	63	0	276	10	36	16	14	0	0	2
Nevada	1	0	0	1	0	0	1	1	0	0	0
New Mexico	10	0	0	0	0	8	16	11	0	0	5
Utah	43	0	0	20	0	3	47	47	0	0	0
Wyoming	40	0	0	74	0	12	12	12	0	0	0
Total	432	105	0	630	73	94	233	221	0	0	13
Alaska:											
Alaska	130	0	0	1	37	110	89	44	1	0	44
Total	130	0	0	1	37	110	89	44	1	0	44
Pacific Northwest:											
Oregon	35	22	20	63	43	44	185	3	90	13	79
Washington	45	42	0	51	100	25	185	18	123	1	42
Total	80	64	20	114	142	69	369	21	213	14	121
Pacific Southwest:											
California	1	0	81	26	0	15	236	1	6	122	107
Hawaii	0	0	0	0	0	0	8	0	0	0	8
Total	1	0	81	26	0	15	244	1	6	122	114
West total:	644	169	101	771	252	302	1,003	287	220	136	359

[a] Western redcedar volume may be included in other western softwood volume. Western redcedar volume in Oregon for National Forest lands includes some incense-cedar.

Note: Data may not add to totals because of rounding. Total volume by State in this table may differ slightly from volume by State in other tables because of rounding.

Table 21—Net volume of softwood growing stock on timberland in the Eastern United States by species, subregion, and State, 1997

Subregion and State	Total	Longleaf and slash pines	Loblolly and shortleaf pines	Other yellow pines	White and red pines	Jack pine	Spruce and balsam fir	Eastern hemlock	Cypress	Other soft-woods
					Million cubic meters					
Northeast:										
Connecticut	12	0	0	0	5	0	0	7	0	0
Delaware	5	0	4	1	0	0	0	0	0	0
Maine	331	0	0	1	60	0	174	36	0	60
Maryland	23	0	13	7	1	0	0	1	0	0
Massachusetts	46	0	0	2	31	0	2	10	0	1
New Hampshire	108	0	0	1	54	0	29	24	0	1
New Jersey	15	0	1	9	1	0	0	0	0	4
New York	153	0	0	4	64	0	19	53	0	13
Pennsylvania	66	0	0	8	22	0	1	34	0	2
Rhode Island	1	0	0	0	1	0	0	0	0	0
Vermont	81	0	0	0	22	0	32	24	0	3
West Virginia	35	0	0	15	7	0	5	8	0	0
Total	876	0	18	49	268	0	260	197	0	84
North Central:										
Illinois	3	0	2	0	1	0	0	0	0	0
Indiana	8	0	1	3	2	0	0	0	0	1
Iowa	1	0	0	0	0	0	0	0	0	1
Michigan	215	0	0	2	71	17	48	19	0	58
Minnesota	133	0	0	0	25	16	57	0	0	35
Missouri	24	0	18	0	0	0	0	0	0	6
Ohio	11	0	0	5	5	0	0	0	0	1
Wisconsin	126	0	0	0	54	11	24	11	0	25
Total	522	0	21	11	158	44	130	31	1	127
Southeast:										
Florida	267	152	26	19	0	0	0	0	66	3
Georgia	431	119	255	24	9	0	0	0	23	1
North Carolina	355	17	222	73	20	0	1	6	12	4
South Carolina	227	25	170	15	1	0	0	0	13	3
Virginia	188	0	98	62	19	0	0	5	1	3
Total	1,468	313	771	194	49	0	1	12	115	14
South Central:										
Alabama	314	55	229	23	0	0	0	0	5	3
Arkansas	264	0	251	0	0	0	0	0	7	6
Kentucky	34	0	8	17	1	0	0	2	0	7
Louisiana	281	35	201	3	0	0	0	0	42	0
Mississippi	261	39	209	5	0	0	0	0	6	2
Oklahoma	40	0	39	0	0	0	0	0	0	1
Tennessee	82	0	30	32	7	0	0	4	2	7
Texas	223	10	209	0	0	0	0	0	3	1
Total	1,499	138	1,175	79	8	0	0	6	66	28
East total:	4,364	451	1,985	332	483	44	390	245	181	253

Note: Data may not add to totals because of rounding. Volume by State in this table may differ slightly from volume by State in other tables because of rounding.

Table 22—Net volume of hardwood growing stock on timberland in the Eastern United States by species, subregion, and State, 1997

Subregion and State	Total	Select white oaks	Select red oaks	Other white oaks	Other red oaks	Hickory	Yellow birch	Hard maple	Soft maple	Beech
					Million cubic meters					
Northeast:										
Connecticut	65	5	13	1	8	3	1	3	16	1
Delaware	13	2	0	0	2	0	0	0	3	0
Maine	261	0	14	0	1	0	27	45	66	26
Maryland	105	12	8	7	14	4	0	2	14	4
Massachusetts	92	4	17	0	10	2	3	6	27	3
New Hampshire	148	2	22	0	3	1	13	22	37	13
New Jersey	53	6	4	4	8	1	0	1	8	1
New York	465	8	35	8	6	13	16	100	101	36
Pennsylvania	639	36	71	46	34	17	7	62	127	32
Rhode Island	10	1	2	0	3	0	0	0	2	0
Vermont	164	1	8	1	0	1	14	55	29	14
West Virginia	539	50	48	54	51	38	6	31	43	25
Total	2,554	126	244	121	140	81	87	326	474	155
North Central:										
Illinois	133	25	9	4	21	15	0	5	10	0
Indiana	187	22	11	4	18	20	0	19	10	5
Iowa	47	9	5	0	3	4	0	1	5	0
Michigan	542	23	45	0	11	4	14	115	98	14
Minnesota	299	18	23	0	1	1	1	12	10	0
Missouri	230	63	11	25	70	25	0	2	3	0
Ohio	276	26	16	9	19	26	0	23	27	12
Wisconsin	398	26	49	0	19	6	7	61	54	1
Total	2,112	214	169	42	161	101	22	237	217	32
Southeast:										
Florida	168	1	0	13	39	3	0	0	13	0
Georgia	466	41	11	33	112	24	0	1	27	2
North Carolina	572	58	29	42	72	27	2	5	61	10
South Carolina	245	21	6	9	49	11	0	0	18	1
Virginia	561	82	42	73	76	36	0	7	44	15
Total	2,013	203	88	170	348	102	2	13	162	28
South Central:										
Alabama	339	31	11	25	77	32	0	1	8	3
Arkansas	349	61	31	36	74	35	0	2	4	2
Kentucky	417	56	22	36	54	50	0	23	21	19
Louisiana	252	12	10	13	56	16	0	0	7	4
Mississippi	323	28	21	16	77	22	0	0	6	4
Oklahoma	62	4	5	14	11	8	0	0	1	0
Tennessee	389	59	24	44	58	45	0	13	17	9
Texas	143	9	7	19	42	6	0	0	2	1
Total	2,275	260	131	203	450	216	0	40	65	41
East total:	8,954	802	633	536	1,099	499	111	616	917	256

Table 22—(continued).

Subregion and State	Sweetgum	Tupelo and black gum	Ash	Bass-wood	Yellow-poplar	Cotton-wood and aspen	Black walnut	Black cherry	Other hard-woods
				Million cubic meters					
Northeast:									
Connecticut	0	0	4	0	1	1	0	1	7
Delaware	2	1	0	0	1	0	0	0	0
Maine	0	0	11	1	0	35	0	1	34
Maryland	9	4	2	0	16	1	1	2	6
Massachusetts	0	0	6	0	0	2	0	5	7
New Hampshire	0	0	8	1	0	7	0	2	17
New Jersey	4	2	5	0	4	0	1	0	3
New York	0	0	40	13	2	30	1	30	26
Pennsylvania	0	4	32	9	23	19	3	68	49
Rhode Island	0	0	1	0	0	0	0	0	0
Vermont	0	0	12	1	0	7	0	3	18
West Virginia	0	5	13	16	87	1	4	20	48
Total	16	17	134	42	134	102	8	133	216
North Central:									
Illinois	1	1	7	2	1	5	3	2	22
Indiana	2	1	14	2	21	6	5	4	23
Iowa	0	0	2	3	0	5	2	1	8
Michigan	0	0	33	26	1	105	2	14	36
Minnesota	0	0	25	20	0	135	0	0	52
Missouri	0	1	4	0	0	4	4	1	17
Ohio	0	2	23	4	24	8	5	18	33
Wisconsin	0	0	28	31	0	73	1	6	35
Total	4	6	136	88	48	341	23	46	227
Southeast:									
Florida	16	42	10	0	2	0	0	1	28
Georgia	68	55	9	0	56	0	1	3	24
North Carolina	58	55	14	4	93	1	1	2	37
South Carolina	46	41	8	0	21	2	0	1	11
Virginia	26	13	10	5	98	0	3	2	30
Total	214	205	50	9	270	3	6	9	131
South Central:									
Alabama	55	29	7	1	29	0	0	2	28
Arkansas	43	13	10	1	0	4	1	2	30
Kentucky	6	7	16	4	55	2	5	3	37
Louisiana	47	31	12	0	2	4	0	1	38
Mississippi	57	21	10	1	16	3	0	3	39
Oklahoma	1	1	4	0	0	3	1	0	10
Tennessee	16	8	12	2	47	1	3	3	27
Texas	31	7	5	0	0	1	0	0	14
Total	256	116	76	8	150	18	10	13	222
East total:	491	344	396	147	601	464	47	201	796

Note: Data may not add to totals because of rounding. Volume by State in this table may differ from volume by State in other tables because of rounding.

Table 23—Net volume of hardwood growing stock on timberland in the United States by ownership group, region, subregion, and State, 1997, 1987, 1977, 1963, and 1953

Region, subregion, and State	All owners					National forest[a]					Other public[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
North:															
Northeast:															
Connecticut	65	65	63	44	32	0	0	0	0	0	10	10	5	5	3
Delaware	13	13	13	9	6	0	0	0	0	0	1	0	1	0	0
Maine	261	225	185	171	152	1	1	1	1	1	10	7	2	2	1
Maryland	105	104	76	67	58	0	0	0	0	0	12	12	7	5	4
Massachusetts	92	86	69	44	35	0	0	0	0	0	17	14	9	6	5
New Hampshire	148	127	106	75	50	17	21	18	21	14	12	6	4	2	1
New Jersey	53	38	36	31	26	0	0	0	0	0	11	9	5	2	1
New York	465	429	275	244	220	1	0	0	0	0	38	35	18	16	15
Pennsylvania	639	644	612	442	332	28	34	34	17	13	135	131	118	85	64
Rhode Island	10	10	9	6	4	0	0	0	0	0	2	2	0	0	0
Vermont	164	120	90	66	63	10	9	4	4	4	17	14	4	3	3
West Virginia	539	418	370	297	244	49	51	49	31	25	23	15	8	12	10
Total	2,554	2,279	1,905	1,495	1,222	105	115	106	73	56	287	258	183	137	108
North Central:															
Illinois	133	133	118	96	68	7	7	6	3	2	7	7	5	2	1
Indiana	187	142	104	95	81	8	6	4	4	1	20	14	7	6	5
Iowa	47	35	29	38	38	0	0	0	0	0	5	4	3	1	1
Michigan	542	408	371	302	215	59	48	39	29	16	94	73	71	62	40
Minnesota	299	273	226	171	120	34	30	28	23	16	102	100	82	66	41
Missouri	230	208	159	155	154	25	25	19	18	16	12	7	4	3	3
Ohio	276	205	173	106	89	9	6	5	2	2	15	9	9	6	5
Wisconsin	398	348	286	219	181	36	33	25	19	16	67	70	54	41	34
Total	2,112	1,752	1,467	1,183	948	178	155	127	99	70	323	286	236	187	130
North total:	4,666	4,030	3,372	2,678	2,170	282	270	233	172	126	611	544	419	324	237
South:															
Southeast:															
Florida	168	160	133	113	100	8	6	5	4	3	30	21	7	3	2
Georgia	466	422	377	288	243	26	25	24	20	17	26	17	13	8	7
North Carolina	572	560	501	383	349	54	55	41	33	26	22	16	11	9	6
South Carolina	245	252	229	176	153	10	12	11	7	6	10	10	8	5	2
Virginia	561	535	478	370	331	65	59	51	30	27	27	22	18	8	7
Total	2,013	1,929	1,718	1,330	1,175	163	156	132	94	79	115	85	56	33	24
South Central:															
Alabama	339	297	269	220	183	10	9	7	6	4	13	9	6	4	2
Arkansas	349	302	256	262	268	55	43	35	28	19	33	18	13	16	10
Kentucky	417	382	313	237	166	25	23	18	13	9	14	11	10	7	5
Louisiana	252	239	221	235	191	8	8	6	4	3	19	17	9	4	3
Mississippi	323	285	235	178	180	22	19	14	11	4	23	10	10	5	6
Oklahoma	62	35	30	23	24	2	2	2	2	1	4	4	3	1	1
Tennessee	389	328	277	221	199	20	18	14	11	8	31	20	14	11	11
Texas	143	139	139	95	104	7	5	4	4	3	3	3	3	1	1
Total	2,275	2,006	1,740	1,471	1,315	149	127	101	79	51	140	94	68	50	39
South total:	4,288	3,934	3,457	2,801	2,491	312	283	234	173	129	255	179	124	82	63

Table 23—(continued).

Region, subregion, and State	All owners					National forest[a]					Other public[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
Rocky Mountain:															
Great Plains:															
Kansas	35	24	17	14	13	0	0	0	0	0	2	1	1	1	0
Nebraska	18	9	9	8	8	0	0	0	0	0	1	0	0	0	0
North Dakota	9	7	7	7	7	0	0	0	0	0	1	1	2	2	2
South Dakota	5	2	4	2	2	0	0	0	0	0	0	0	1	0	0
Total	67	42	36	31	31	0	0	0	0	0	5	3	4	3	3
Intermountain:															
Arizona	10	10	6	6	5	5	4	4	4	3	0	5	1	1	1
Colorado	109	91	68	57	51	72	53	46	37	32	8	9	4	4	4
Idaho	22	14	6	7	6	8	4	2	2	2	3	4	1	1	1
Montana	16	11	8	8	7	3	1	1	1	1	1	1	2	2	2
Nevada	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0
New Mexico	16	14	17	15	13	10	9	7	6	5	0	1	1	1	1
Utah	47	25	25	28	25	32	16	13	17	15	4	2	4	4	3
Wyoming	12	10	7	6	5	5	2	2	2	2	2	2	2	2	1
Total	233	176	138	127	113	135	91	75	69	61	19	24	15	14	13
Rocky Mountain total:	300	217	174	158	144	136	91	76	70	61	23	28	19	18	16
Pacific Coast:															
Alaska:															
Alaska	89	119	119	119	119	5	4	7	7	7	55	50	109	109	110
Total	89	119	119	119	119	5	4	7	7	7	55	50	109	109	110
Pacific Northwest:															
Oregon	185	172	136	146	119	34	32	25	25	20	43	32	34	23	18
Washington	185	196	161	116	81	11	9	4	4	3	37	37	32	21	14
Total	369	368	298	262	200	44	42	29	29	24	81	69	66	45	32
Pacific Southwest:															
California	236	211	105	84	80	64	62	32	36	36	9	16	8	5	6
Hawaii	8	8	6	6	6	0	0	0	0	0	3	3	3	3	3
Total	244	219	110	90	86	64	62	32	36	36	12	19	11	8	9
Pacific Coast total:	702	706	527	471	405	113	108	68	72	67	148	138	186	162	152
United States:	9,956	8,888	7,531	6,108	5,210	843	752	610	487	384	1,037	888	749	586	467

Table 23—(continued).

Region, subregion, and State	Forest Industry					Nonindustrial private[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
North:										
Northeast:										
Connecticut	0	0	0	0	0	55	55	58	39	29
Delaware	0	0	0	1	0	12	13	12	8	6
Maine	101	105	94	70	63	148	112	88	98	88
Maryland	3	3	3	2	1	89	89	66	60	53
Massachusetts	2	3	1	3	3	73	69	59	35	28
New Hampshire	13	18	18	10	7	106	82	67	43	28
New Jersey	0	0	1	0	0	42	29	30	30	25
New York	43	35	26	23	20	384	358	232	205	185
Pennsylvania	32	35	27	19	14	444	444	434	320	240
Rhode Island	0	0	0	0	0	8	8	8	6	4
Vermont	8	10	15	11	11	130	86	66	47	45
West Virginia	44	41	32	17	14	424	311	280	237	195
Total	246	250	216	157	134	1,915	1,656	1,400	1,128	925
North Central:										
Illinois	0	0	0	0	0	119	119	108	91	64
Indiana	1	1	1	1	1	158	121	92	84	74
Iowa	0	0	0	0	0	42	31	26	36	38
Michigan	44	49	47	40	33	343	238	213	171	126
Minnesota	10	12	10	8	6	152	131	105	75	58
Missouri	4	5	4	3	3	189	169	132	132	132
Ohio	6	3	5	3	2	247	187	154	95	79
Wisconsin	27	26	28	21	12	267	219	180	137	120
Total	93	97	96	76	58	1,518	1,214	1,008	821	690
North total:	339	347	312	233	192	3,434	2,869	2,408	1,949	1,615
South:										
Southeast:										
Florida	35	42	43	34	30	96	91	78	72	65
Georgia	54	68	59	40	33	360	313	281	220	186
North Carolina	41	44	40	39	50	456	445	409	302	267
South Carolina	36	44	40	33	18	188	187	170	130	127
Virginia	29	34	32	30	27	441	420	377	303	270
Total	194	231	213	176	158	1,540	1,457	1,315	1,027	915
South Central:										
Alabama	54	49	47	35	25	261	229	209	175	152
Arkansas	54	66	57	62	38	207	174	150	156	201
Kentucky	7	7	7	7	5	371	342	278	210	147
Louisiana	50	47	52	41	30	175	166	154	186	155
Mississippi	39	38	40	28	19	239	218	171	134	152
Oklahoma	5	4	6	4	4	51	24	19	17	18
Tennessee	26	28	25	15	12	313	262	224	184	169
Texas	33	32	40	28	27	100	98	93	62	73
Total	269	272	273	219	160	1,718	1,513	1,297	1,123	1,066
South total:	463	502	487	395	318	3,258	2,970	2,612	2,150	1,981

Table 23—(continued).

Region, subregion, and State	Forest Industry					Nonindustrial private[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
Rocky Mountain:										
Great Plains:										
Kansas	0	0	0	0	0	33	23	16	13	13
Nebraska	0	0	0	0	0	17	8	8	8	8
North Dakota	0	0	0	0	0	8	6	5	5	5
South Dakota	0	0	0	0	0	4	1	3	2	2
Total	0	0	0	0	0	62	38	32	28	28
Intermountain:										
Arizona	0	0	0	0	0	6	0	1	1	1
Colorado	0	0	0	0	0	30	29	18	16	15
Idaho	1	0	1	1	1	11	5	2	2	2
Montana	0	0	0	0	0	12	9	5	5	4
Nevada	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	5	4	9	8	7
Utah	0	0	0	0	0	11	7	8	7	7
Wyoming	0	0	0	0	0	5	5	3	2	2
Total	1	1	1	2	2	78	60	46	42	37
Rocky Mountain total:	1	1	1	2	2	141	98	78	69	65
Pacific Coast:										
Alaska:										
Alaska	0	0	0	0	0	29	65	3	2	1
Total	0	0	0	0	0	29	65	3	2	1
Pacific Northwest:										
Oregon	43	43	37	34	27	65	65	40	63	55
Washington	56	67	58	41	27	82	83	67	49	36
Total	98	110	95	76	54	147	147	108	112	90
Pacific Southwest:										
California	48	39	19	13	10	115	95	45	30	28
Hawaii	0	0	0	0	0	4	4	3	3	3
Total	48	39	19	13	10	119	99	48	33	32
Pacific Coast total:	146	149	114	88	63	295	312	159	148	123
United States:	949	999	914	718	575	7,128	6,249	5,258	4,317	3,783

[a] 1987 data for National Forests in Oregon and Washington were underreported in several forest types and stand-size classes and may not be reliable for regional trend analysis.

[b] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 24—Net volume of growing stock on timberland in the Western United States by species, region and subregion, 1997, 1987, 1977, and 1963

Region and subregion	Year	All species	Softwoods								
			Total soft-woods	Douglas-fir	Ponderosa and Jeffrey pines	True fir	Western hemlock	Sugar pine	Western white pine	Redwood	Sitka spruce
			Million cubic meters								
Rocky Mountain:											
Great Plains	1997	111	44	0	29	0	0	0	0	0	0
	1987	96	54	0	52	0	0	0	0	0	0
	1977	87	51	0	48	0	0	0	0	0	0
	1963	73	42	0	39	0	0	0	0	0	0
Intermountain	1997	3,435	3,201	822	465	535	30	0	15	0	0
	1987	2,960	2,784	638	440	421	27	0	45	0	0
	1977	2,778	2,641	579	418	385	41	0	62	0	0
	1963	2,724	2,597	564	443	367	48	0	87	0	0
Rocky Mountain total:	1997	3,546	3,245	822	494	535	30	0	15	0	0
	1987	3,056	2,838	638	492	421	27	0	45	0	0
	1977	2,865	2,692	579	466	385	41	0	62	0	0
	1963	2,797	2,638	564	482	367	48	0	87	0	0
Pacific Coast:											
Alaska[a]	1997	933	844	0	0	0	323	0	0	0	241
	1987	1,168	1,049	0	0	0	449	0	0	0	287
	1977	1,486	1,366	0	0	5	856	0	0	0	297
	1963	1,517	1,399	0	0	3	851	0	0	0	456
Pacific Northwest	1997	4,217	3,848	1,969	327	462	561	19	11	1	9
	1987	4,067	3,699	1,802	314	483	567	17	10	1	50
	1977	4,049	3,751	1,700	358	479	687	22	25	3	41
	1963	4,365	4,103	1,818	442	561	704	25	35	1	45
Pacific Southwest	1997	1,635	1,392	393	275	378	1	84	8	130	0
	1987	1,530	1,311	359	246	359	1	86	9	145	1
	1977	1,411	1,301	362	258	362	4	95	7	122	1
	1963	1,601	1,510	489	289	380	2	105	9	151	1
Pacific Coast total:	1997	6,785	6,083	2,362	602	840	885	103	19	131	250
	1987	6,764	6,058	2,161	560	842	1,018	102	19	146	338
	1977	6,946	6,418	2,062	616	846	1,547	116	32	124	340
	1963	7,483	7,012	2,307	731	944	1,558	130	43	153	502
West total:	1997	10,331	9,329	3,184	1,096	1,375	915	103	34	131	250
	1987	9,821	8,897	2,799	1,052	1,263	1,045	102	63	146	338
	1977	9,811	9,110	2,641	1,082	1,231	1,588	117	93	124	340
	1963	10,280	9,651	2,871	1,213	1,311	1,606	130	130	153	502

Table 24—(continued).

Region and subregion	Year	Softwoods					Hardwoods				
		Engelmann and other spruces	Western larch	Incense-cedar	Lodgepole pine	Other soft-woods	Total hard-woods	Cotton-wood and aspen	Red alder	Oak	Other hard-woods
		Million cubic meters									
Rocky Mountain:											
Great Plains	1997	1	0	0	0	14	67	0	0	0	67
	1987	2	0	0	0	0	42	13	0	9	20
	1977	2	0	0	0	1	36	12	0	6	18
	1963	2	0	0	0	1	31	11	0	6	14
Intermountain	1997	432	105	0	630	167	233	221	0	0	13
	1987	382	136	0	598	96	176	175	0	0	1
	1977	366	110	0	562	118	138	135	0	0	3
	1963	359	174	0	476	79	127	125	0	0	2
Rocky Mountain total:	1997	433	105	0	630	181	300	221	0	0	79
	1987	384	136	0	598	97	218	188	0	9	21
	1977	368	110	0	562	119	174	147	0	6	21
	1963	361	174	0	476	79	158	136	0	6	16
Pacific Coast:											
Alaska	1997	130	0	0	1	137	89	44	1	0	44
	1987	171	0	0	1	139	119	52	2	0	66
	1977	82	0	0	2	124	119	53	6	0	61
	1963	0	0	0	1	88	119	105	12	0	1
Pacific Northwest	1997	80	64	20	114	211	369	21	213	14	121
	1987	53	67	18	127	192	368	17	235	17	99
	1977	36	73	18	160	150	298	10	192	14	82
	1963	39	68	22	108	233	262	10	145	21	86
Pacific Southwest	1997	1	0	81	26	15	244	1	6	122	114
	1987	0	0	67	24	13	219	1	4	162	53
	1977	0	0	57	25	9	110	1	2	51	57
	1963	0	0	48	26	11	90	1	2	25	62
Pacific Coast total:	1997	211	64	101	140	363	702	66	220	136	280
	1987	224	67	85	152	344	706	69	240	179	217
	1977	118	73	75	186	283	527	63	200	65	200
	1963	39	68	70	135	332	471	116	159	47	149
West total:[a]	1997	644	169	101	771	543	1,003	287	220	136	359
	1987	766	203	85	751	578	924	257	240	188	239
	1977	557	182	75	749	524	701	210	200	70	221
	1963	395	242	70	611	498	629	252	159	53	165

[a] Data for Englemann and other spruces included in other softwoods for 1963.

Note: Data may not add to totals because of rounding.

Table 25—Net volume of all growing stock on timberland in the United States by ownership group, region, subregion, and State, 1997, 1987, 1977, 1963, and 1953

Region, subregion, and State	All owners					National forest[a]					Other public[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
North:															
Northeast:															
Connecticut	78	77	75	50	37	0	0	0	0	0	12	12	7	5	4
Delaware	18	18	18	16	13	0	0	0	0	0	1	1	1	0	0
Maine	591	635	640	527	438	3	1	2	1	1	25	22	10	6	5
Maryland	128	127	99	89	78	0	0	0	0	0	14	15	10	5	5
Massachusetts	138	134	110	72	53	0	0	0	0	0	23	22	17	9	7
New Hampshire	256	223	206	147	112	26	31	25	29	21	22	13	5	4	3
New Jersey	67	54	43	39	33	0	0	0	0	0	17	16	7	2	2
New York	618	569	375	329	298	1	0	0	0	0	58	54	31	27	24
Pennsylvania	705	700	662	482	366	30	35	35	18	14	146	138	124	90	68
Rhode Island	11	12	12	7	5	0	0	0	0	0	2	3	1	1	0
Vermont	246	177	141	105	98	11	11	5	6	5	21	18	7	4	4
West Virginia	575	448	401	313	258	56	56	56	34	28	25	16	9	13	10
Total	3,429	3,173	2,782	2,175	1,789	127	134	124	88	69	367	328	227	166	133
North Central:															
Illinois	137	137	121	97	68	9	9	7	4	2	8	8	5	2	1
Indiana	195	148	106	97	82	9	7	5	4	1	21	15	8	7	6
Iowa	47	35	29	38	39	0	0	0	0	0	5	4	3	1	1
Michigan	757	594	518	404	282	102	86	66	46	24	152	123	108	86	55
Minnesota	432	389	324	267	197	63	56	53	48	38	161	153	126	110	72
Missouri	255	225	170	164	162	33	33	24	22	20	14	8	5	3	3
Ohio	287	214	181	110	92	9	6	6	3	2	16	10	10	7	6
Wisconsin	524	464	381	279	225	54	51	38	28	20	96	102	76	55	47
Total	2,634	2,205	1,831	1,455	1,147	279	247	199	155	108	473	423	342	271	191
North total:	6,063	5,378	4,613	3,631	2,936	406	382	323	243	177	839	752	569	437	324
South:															
Southeast:															
Florida	435	424	381	302	252	36	31	31	23	18	74	54	28	14	11
Georgia	897	871	833	642	548	40	35	37	32	28	60	44	37	31	26
North Carolina	927	907	827	655	606	70	69	55	43	36	43	33	22	19	13
South Carolina	472	502	475	347	289	27	33	32	24	22	27	26	21	14	5
Virginia	750	714	645	520	487	75	68	60	36	33	37	32	27	14	13
Total	3,480	3,418	3,161	2,467	2,181	248	236	216	158	137	241	188	135	92	69
South Central:															
Alabama	653	617	593	466	350	26	28	23	18	12	21	16	12	9	5
Arkansas	614	545	482	426	399	109	91	78	61	44	41	24	18	17	11
Kentucky	451	413	339	253	180	29	27	22	17	13	15	11	10	9	7
Louisiana	533	537	485	415	312	29	30	27	19	10	29	25	14	7	6
Mississippi	583	561	488	327	284	60	60	50	42	20	37	18	21	12	15
Oklahoma	103	63	58	43	39	8	7	6	4	3	6	5	4	1	1
Tennessee	471	404	340	263	233	28	28	22	19	14	39	27	20	14	14
Texas	366	365	376	266	223	39	39	34	37	23	7	8	7	3	2
Total	3,775	3,505	3,160	2,459	2,020	330	310	262	217	139	195	135	106	73	61
South total:	7,255	6,923	6,321	4,926	4,202	578	547	477	375	276	436	323	241	165	129

Table 25—(continued).

Region, subregion, and State	All owners					National forest[a]					Other public[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters														
Rocky Mountain:															
Great Plains:															
Kansas	35	24	17	14	13	0	0	0	0	0	2	1	1	1	0
Nebraska	24	14	13	11	10	2	1	1	1	1	2	1	1	0	0
North Dakota	9	7	7	7	7	0	0	0	0	0	1	1	2	2	2
South Dakota	42	51	50	41	37	31	36	38	32	30	2	4	3	2	2
Total	111	96	87	73	68	33	37	39	33	30	6	7	7	5	5
Intermountain:															
Arizona	169	179	141	139	135	116	122	95	91	85	1	55	42	44	46
Colorado	567	550	426	391	360	405	387	315	287	265	47	47	24	23	21
Idaho	1,111	922	902	862	818	845	668	613	574	537	98	103	94	89	86
Montana	985	793	792	851	782	715	527	513	556	494	67	70	74	72	68
Nevada	10	12	7	7	7	4	7	3	3	3	2	0	0	0	0
New Mexico	158	173	181	178	169	99	114	88	87	78	4	20	39	39	39
Utah	208	136	126	133	129	162	102	92	100	94	14	12	16	16	17
Wyoming	227	195	204	163	154	162	131	160	122	117	23	27	18	17	15
Total	3,435	2,960	2,778	2,724	2,553	2,508	2,058	1,878	1,819	1,673	255	335	307	299	292
Rocky Mountain total:	3,546	3,056	2,865	2,797	2,621	2,541	2,095	1,917	1,852	1,703	262	342	314	305	297
Pacific Coast:															
Alaska:															
Alaska	933	1,168	1,486	1,517	1,509	535	685	1,009	1,089	1,106	199	216	455	418	396
Total	933	1,168	1,486	1,517	1,509	535	685	1,009	1,089	1,106	199	216	455	418	396
Pacific Northwest:															
Oregon	2,357	2,168	2,251	2,507	2,598	1,392	1,224	1,296	1,386	1,308	385	394	394	398	450
Washington	1,860	1,898	1,797	1,858	1,835	784	674	650	722	725	312	428	405	392	371
Total	4,217	4,066	4,049	4,365	4,433	2,175	1,898	1,946	2,108	2,033	697	822	799	790	821
Pacific Southwest:															
California	1,627	1,522	1,406	1,594	1,722	900	832	827	868	874	46	51	39	46	60
Hawaii	8	8	6	6	6	0	0	0	0	0	4	4	3	3	3
Total	1,635	1,530	1,411	1,601	1,728	900	832	827	868	874	50	54	42	49	63
Pacific Coast total:	6,785	6,764	6,946	7,483	7,671	3,611	3,415	3,782	4,065	4,013	946	1,092	1,296	1,257	1,279
United States:	23,650	22,121	20,745	18,836	17,430	7,135	6,439	6,500	6,535	6,169	2,483	2,508	2,420	2,163	2,029

Table 25—(continued).

Region, subregion, and State	Forest Industry					Nonindustrial private[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
North:										
Northeast:										
Connecticut	0	0	0	0	0	66	65	69	45	33
Delaware	1	1	1	1	1	16	17	16	14	12
Maine	236	327	352	218	181	327	285	276	302	251
Maryland	5	5	5	4	3	108	107	84	80	70
Massachusetts	5	4	2	6	4	110	107	92	57	42
New Hampshire	20	30	40	22	17	187	149	135	92	71
New Jersey	0	0	1	0	0	50	37	36	37	31
New York	53	47	36	32	29	506	468	308	271	245
Pennsylvania	34	38	29	21	16	495	489	474	353	269
Rhode Island	0	0	0	0	0	9	9	11	6	4
Vermont	10	13	21	17	16	203	135	108	78	73
West Virginia	46	45	35	18	15	448	332	301	248	204
Total	410	510	522	339	283	2,526	2,200	1,908	1,582	1,305
North Central:										
Illinois	0	0	0	0	0	120	120	108	91	64
Indiana	1	1	1	1	1	165	125	93	85	74
Iowa	0	0	0	0	0	43	31	26	36	38
Michigan	66	74	70	58	49	437	311	273	215	154
Minnesota	19	22	18	16	13	189	158	127	92	74
Missouri	5	6	5	3	3	202	177	137	136	135
Ohio	6	3	5	3	3	256	195	160	97	82
Wisconsin	36	38	44	32	15	339	273	222	164	143
Total	133	144	143	113	84	1,749	1,390	1,147	917	764
North total:	543	654	666	452	367	4,275	3,591	3,055	2,498	2,069
South:										
Southeast:										
Florida	100	118	122	95	78	225	221	200	171	145
Georgia	145	165	140	106	91	651	627	619	473	404
North Carolina	94	90	72	77	94	720	715	677	517	463
South Carolina	83	94	80	66	38	335	349	342	243	223
Virginia	61	67	58	53	50	576	547	500	417	389
Total	484	534	472	397	351	2,508	2,459	2,338	1,820	1,625
South Central:										
Alabama	139	129	128	103	71	467	445	430	336	261
Arkansas	153	156	146	153	106	312	273	240	196	239
Kentucky	7	7	7	7	5	400	368	300	219	155
Louisiana	131	125	130	121	86	344	357	315	268	210
Mississippi	93	90	89	69	60	393	392	328	204	189
Oklahoma	21	14	21	17	14	67	36	28	21	21
Tennessee	35	36	31	18	14	369	314	266	212	192
Texas	93	97	131	103	80	227	221	204	124	118
Total	671	654	682	590	436	2,578	2,406	2,111	1,580	1,385
South total:	1,155	1,188	1,154	987	786	5,086	4,866	4,449	3,400	3,010

Table 25—(continued).

Region, Subregion, and State	Forest industry					Nonindustrial private[b]				
	1997	1987	1977	1963	1953	1997	1987	1977	1963	1953
	Million cubic meters									
Rocky Mountain:										
Great Plains:										
Kansas	0	0	0	0	0	34	23	16	13	13
Nebraska	0	0	0	0	0	21	12	11	10	9
North Dakota	0	0	0	0	0	8	6	5	5	5
South Dakota	0	0	1	0	0	10	11	8	6	6
Total	0	0	1	0	0	72	51	40	34	33
Intermountain:										
Arizona	0	0	0	0	0	52	1	4	4	4
Colorado	0	0	1	1	1	115	116	86	80	74
Idaho	74	66	83	96	98	94	86	112	104	97
Montana	61	84	60	81	88	143	111	145	141	131
Nevada	1	0	0	0	0	3	5	4	4	4
New Mexico	0	0	0	4	4	55	39	54	49	48
Utah	0	0	0	0	0	32	22	18	18	18
Wyoming	0	1	2	2	2	42	36	24	22	20
Total	136	152	146	183	192	535	415	447	422	396
Rocky Mountain total:	136	152	146	183	193	607	467	487	456	429
Pacific Coast:										
Alaska:										
Alaska	0	0	0	0	0	199	266	22	10	7
Total	0	0	0	0	0	199	266	22	10	7
Pacific Northwest:										
Oregon	316	326	380	472	566	265	224	182	251	274
Washington	382	475	446	492	526	382	321	295	253	213
Total	698	801	826	964	1,092	646	545	477	504	487
Pacific Southwest:										
California	291	263	230	285	328	390	376	309	395	460
Hawaii	0	0	0	0	0	4	4	3	3	3
Total	291	263	230	285	328	394	380	312	398	463
Pacific Coast total:	990	1,064	1,056	1,249	1,421	1,239	1,192	812	913	958
United States:	2,824	3,058	3,022	2,871	2,766	11,208	10,115	8,804	7,267	6,465

[a] 1987 data for National Forests in Oregon and Washington were underreported in several forest types and stand-size classes and may not be reliable for regional trend analysis.

[b] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 26—Net volume of hardwood growing stock on timberland in the Eastern United States by species, subregion, and diameter class, 1997

Subregion and diameter class (in centimeters)	Total	Select white oaks	Select red oaks	Other white oaks	Other red oaks	Hickory	Yellow birch	Hard maple	Soft maple	Beech
					Million cubic meters					
Northeast:										
13 - 17	230	9	10	7	7	7	9	27	58	16
18 - 23	380	15	22	16	15	13	15	47	90	23
24 - 27	442	20	32	22	20	16	16	56	94	27
28 - 32	399	19	37	20	20	14	14	52	74	24
33 - 37	341	17	35	18	20	11	11	44	57	19
38 - 42	256	14	31	14	17	8	7	33	37	15
43 - 47	174	10	24	9	13	4	5	22	23	12
48 - 52	117	7	16	6	10	3	3	15	14	8
53 - 72	174	11	29	8	15	3	5	26	22	11
73+	39	3	8	1	3	0	1	6	5	2
Total	2,554	126	244	121	140	81	87	326	474	155
North Central:										
13 - 17	210	13	6	5	10	10	2	31	30	2
18 - 23	299	19	12	6	16	15	3	39	38	2
24 - 27	346	26	20	7	21	17	4	40	38	3
28 - 32	321	28	24	6	24	17	3	33	31	3
33 - 37	274	30	25	6	23	14	3	27	23	4
38 - 42	212	28	21	5	21	12	3	22	17	3
43 - 47	150	22	17	3	15	8	2	16	13	4
48 - 52	99	15	13	2	11	3	1	11	8	3
53 - 72	164	27	24	2	18	5	2	16	15	7
73+	37	7	7	0	4	0	0	2	4	2
Total	2,112	214	169	42	161	101	22	237	217	32
Southeast:										
13 - 17	158	11	3	10	25	8	0	1	23	1
18 - 23	222	18	5	18	36	12	0	2	26	2
24 - 27	270	26	7	22	46	16	0	2	25	3
28 - 32	289	30	9	23	49	16	0	2	24	3
33 - 37	277	30	11	22	47	14	0	2	20	4
38 - 42	237	27	12	18	39	12	0	2	15	4
43 - 47	181	20	10	16	32	9	0	1	11	4
48 - 52	131	14	9	11	25	6	0	1	7	2
53 - 72	204	22	18	22	40	8	0	1	9	5
73+	44	4	5	8	11	1	0	0	1	1
Total	2,013	203	88	170	348	102	2	13	162	28

Table 26—(continued).

Subregion and diameter class (in centimeters)	Total	Select white oaks	Select red oaks	Other white oaks	Other red oaks	Hickory	Yellow birch	Hard maple	Soft maple	Beech
					Million cubic meters					
South Central:										
13 - 17	187	19	5	17	25	19	0	5	12	1
18 - 23	278	30	9	28	42	31	0	6	13	2
24 - 27	335	39	13	33	57	38	0	7	11	3
28 - 32	316	39	15	29	59	36	0	6	8	3
33 - 37	306	37	17	27	63	30	0	5	6	5
38 - 42	253	31	15	22	54	22	0	4	5	4
43 - 47	194	24	14	15	45	15	0	3	3	5
48 - 52	138	15	12	11	34	9	0	2	3	4
53 - 72	221	22	23	18	58	13	0	2	4	10
73+	47	3	7	4	14	3	0	0	1	2
Total	2,275	260	131	203	450	216	0	40	65	41
Easte total:										
13 - 17	786	52	24	38	66	44	12	64	123	20
18 - 23	1,180	83	48	69	109	71	18	94	167	30
24 - 27	1,392	110	72	83	143	87	20	104	168	36
28 - 32	1,326	115	86	79	151	83	17	92	136	34
33 - 37	1,198	114	88	72	153	70	14	78	107	31
38 - 42	958	100	79	58	131	54	10	61	73	27
43 - 47	699	76	65	43	104	36	7	42	50	24
48 - 52	485	52	50	30	79	22	4	29	32	17
53 - 72	764	83	95	51	130	28	7	45	50	33
73+	168	17	26	13	32	4	1	9	11	6
Total	8,954	802	633	536	1,099	499	111	616	917	256

Table 26—(continued).

Subregion and diameter class (in centimeters)	Sweetgum	Tupelo and black gum	Ash	Basswood	Yellow-poplar	Cotton-wood and aspen	Black walnut	Black cherry	Other eastern hard-woods
					Million cubic meters				
Northeast:									
13 - 17	2	3	13	2	4	12	1	9	35
18 - 23	2	3	20	4	9	21	1	15	49
24 - 27	3	3	24	5	14	23	1	20	46
28 - 32	2	2	22	7	18	19	1	22	32
33 - 37	3	2	19	7	20	14	1	20	22
38 - 42	2	2	14	6	20	8	1	16	13
43 - 47	1	1	8	3	17	3	1	11	8
48 - 52	1	1	6	3	12	2	0	7	4
53 - 72	1	1	6	3	16	1	0	9	6
73+	0	0	2	0	3	0	0	2	2
Total	16	17	134	42	134	102	8	133	216
North Central:									
5.0 - 6.9	0	1	18	6	2	34	2	5	36
7.0 - 8.9	0	1	24	11	3	52	3	7	46
9.0 - 10.9	1	1	23	16	5	69	3	8	44
11.0 - 12.9	1	1	20	17	6	65	4	7	31
13.0 - 14.9	1	1	17	13	6	49	4	6	22
15.0 - 16.9	1	1	12	9	7	30	3	4	14
17.0 - 18.9	0	0	8	6	6	15	2	3	10
19.0 - 20.9	0	0	6	4	5	7	1	2	7
21.0 - 28.9	0	0	7	5	8	13	1	2	13
29.0 +	0	0	1	0	1	6	0	0	4
Total	4	6	136	88	48	341	23	46	227
Southeast:									
13 - 17	22	20	4	0	12	0	0	2	15
18 - 23	29	26	5	1	19	0	1	2	19
24 - 27	35	31	7	1	26	0	1	2	21
28 - 32	33	33	7	1	36	0	1	1	20
33 - 37	31	31	7	2	39	0	1	1	17
38 - 42	22	24	6	2	40	0	1	0	13
43 - 47	15	16	4	1	32	0	0	0	9
48 - 52	10	10	3	1	24	0	0	0	6
53 - 72	14	12	5	1	35	1	0	0	10
73+	2	3	1	0	5	0	0	0	2
Total	214	205	50	9	270	3	6	9	131

Table 26—(continued).

Subregion and diameter class (in centimeters)	Sweetgum	Tupelo and black gum	Ash	Basswood	Yellow poplar	Cotton-wood and aspen	Black walnut	Black cherry	Other eastern hard-woods
				Million cubic meters					
South Central:									
13 - 17	27	11	7	0	7	0	1	3	29
18 - 23	39	16	10	1	12	1	2	2	34
24 - 27	45	20	11	1	17	1	2	3	34
28 - 32	38	17	11	1	21	1	2	1	29
33 - 37	34	18	10	1	23	1	1	1	26
38 - 42	27	14	9	1	22	1	1	1	20
43 - 47	17	9	7	1	17	2	1	1	16
48 - 52	12	5	5	1	12	2	0	0	11
53 - 72	15	6	7	1	16	6	0	0	19
73+	2	1	1	0	2	4	0	0	3
Total	256	116	76	8	150	18	10	13	222
East total:									
13 - 17	51	34	43	9	25	45	3	19	115
18 - 23	71	46	59	17	43	73	6	27	148
24 - 27	84	55	66	24	62	93	8	33	146
28 - 32	74	54	60	27	80	86	8	32	112
33 - 37	69	51	52	23	89	64	8	29	87
38 - 42	51	39	40	18	90	40	5	22	60
43 - 47	34	26	27	11	72	20	4	16	43
48 - 52	23	15	19	8	54	11	2	10	28
53 - 72	31	19	25	9	76	20	2	12	48
73+	4	4	5	1	11	11	0	2	11
Total	491	344	396	147	601	464	47	201	796

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from volume by subregion in other tables because of rounding.

Table 27—Net volume of softwood growing stock on timberland in the Eastern United States by species, subregion, and diameter class, 1997

Subregion and diameter class (in centimeters)	Total	Longleaf and slash pines	Loblolly and shortleaf pines	Other yellow pines	White and red pines	Jack pine	Spruce and balsam fir	Eastern hemlock	Cypress	Other soft-woods
					Million cubic meters					
Northeast:										
13 - 17	106	0	2	6	14	0	54	17	0	13
18 - 23	150	0	3	11	24	0	67	26	0	18
24 - 27	145	0	3	12	30	0	55	29	0	17
28 - 32	134	0	4	9	36	0	40	31	0	14
33 - 37	108	0	3	6	38	0	22	29	0	10
38 - 42	79	0	2	3	32	0	12	23	0	6
43 - 47	52	0	1	1	25	0	5	16	0	3
48 - 52	35	0	1	0	21	0	2	10	0	1
53 - 72	55	0	0	0	37	0	2	14	0	1
73+	12	0	0	0	10	0	0	2	0	0
Total	876	0	18	49	268	0	260	197	0	84
North Central:										
13 - 17	101	0	3	1	17	8	40	1	0	31
18 - 23	117	0	4	3	27	12	36	2	0	34
24 - 27	94	0	5	3	23	11	23	3	0	26
28 - 32	67	0	4	2	20	7	13	4	0	17
33 - 37	45	0	3	1	16	3	7	4	0	10
38 - 42	30	0	1	1	13	1	4	4	0	5
43 - 47	22	0	1	0	11	0	3	4	0	3
48 - 52	15	0	0	0	10	0	1	3	0	1
53 - 72	25	0	0	0	18	0	1	5	0	1
73+	5	0	0	0	4	0	0	1	0	0
Total	522	0	21	11	158	44	130	31	1	127
Southeast:										
13 - 17	187	49	94	27	3	0	0	1	10	3
18 - 23	265	64	133	44	4	0	0	1	15	3
24 - 27	259	56	130	46	5	0	0	1	18	2
28 - 32	228	50	117	35	5	0	0	1	18	2
33 - 37	182	40	97	22	5	0	0	1	16	1
38 - 42	134	27	77	11	6	0	0	1	11	1
43 - 47	86	15	51	5	5	0	0	1	8	0
48 - 52	53	6	33	2	5	0	0	1	6	0
53 - 72	65	5	37	2	9	0	0	2	10	0
73+	9	0	2	0	2	0	0	1	3	0
Total	1,468	313	771	194	49	0	1	12	115	14

Table 27—(continued).

Subregion and diameter class (in centimeters)	Total	Longleaf and slash pines	Loblolly and shortleaf pines	Other yellow pines	White and red pines	Jack pine	Spruce and balsam fir	Eastern hemlock	Cypress	Other soft-woods
					Million cubic meters					
South Central:										
13 - 17	135	13	103	8	0	0	0	0	1	8
18 - 23	213	21	163	16	1	0	0	1	4	8
24 - 27	227	25	175	16	1	0	0	1	4	5
28 - 32	237	27	184	14	1	0	0	1	7	3
33 - 37	215	23	170	10	1	0	0	1	9	2
38 - 42	173	15	141	5	1	0	0	1	10	1
43 - 47	118	8	96	3	1	0	0	1	9	0
48 - 52	76	4	62	2	1	0	0	0	6	0
53 - 72	95	3	75	3	2	0	0	1	11	0
73+	11	0	6	0	0	0	0	0	4	0
Total	1,499	138	1,175	79	8	0	0	6	66	28
East total:										
13 - 17	529	62	202	43	34	8	95	19	12	55
18 - 23	746	85	303	74	56	12	104	30	19	64
24 - 27	725	82	312	75	59	11	79	33	23	50
28 - 32	666	76	309	60	62	7	53	37	25	36
33 - 37	550	63	272	39	60	3	29	35	25	23
38 - 42	416	42	222	20	52	1	17	29	21	13
43 - 47	277	23	149	10	42	0	8	21	17	7
48 - 52	179	10	96	5	36	0	4	14	12	3
53 - 72	240	8	113	5	66	0	3	22	21	2
73+	36	0	9	0	17	0	0	4	7	0
Total	4,364	451	1,985	332	483	44	390	245	181	253

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from volume by subregion in other tables because of rounding.

Table 28—Net volume of growing stock on timberland in the Western United States by species, subregion, and diameter class, 1997

Subregion and diameter class (in centimeters)	Total	Softwoods								
		Total soft-woods	Douglas-fir	Ponderosa and Jeffrey pine	True fir	Western hemlock	Sugar pine	Western white pine	Redwood	Sitka spruce
		Million cubic meters								
Great Plains:										
13 - 17	9	4	0	3	0	0	0	0	0	0
18 - 23	14	8	0	5	0	0	0	0	0	0
24 - 27	15	8	0	5	0	0	0	0	0	0
28 - 32	14	8	0	5	0	0	0	0	0	0
33 - 37	13	6	0	4	0	0	0	0	0	0
38 - 42	10	4	0	3	0	0	0	0	0	0
43 - 47	8	3	0	2	0	0	0	0	0	0
48 - 52	6	2	0	1	0	0	0	0	0	0
53 - 72	14	2	0	1	0	0	0	0	0	0
73+	7	0	0	0	0	0	0	0	0	0
Total	111	44	0	29	0	0	0	0	0	0
Intermountain:										
13 - 17	301	259	40	19	56	2	0	0	0	0
18 - 23	470	415	71	35	72	3	0	1	0	0
24 - 27	503	451	92	49	76	3	0	1	0	0
28 - 32	464	429	104	55	74	4	0	1	0	0
33 - 37	386	365	102	57	62	4	0	3	0	0
38 - 42	313	300	94	49	51	3	0	2	0	0
43 - 47	245	239	79	42	39	2	0	1	0	0
48 - 52	187	184	61	33	29	2	0	1	0	0
53 - 72	403	398	131	86	52	4	0	3	0	0
73+	163	161	48	40	24	2	0	1	0	0
Total	3,435	3,201	822	465	535	30	0	15	0	0
Alaska:										
13 - 17	38	21	0	0	0	5	0	0	0	2
18 - 23	64	44	0	0	0	9	0	0	0	4
24 - 27	65	52	0	0	0	13	0	0	0	7
28 - 32	68	58	0	0	0	16	0	0	0	8
33 - 37	68	61	0	0	0	20	0	0	0	11
38 - 42	64	56	0	0	0	19	0	0	0	12
43 - 47	62	58	0	0	0	22	0	0	0	15
48 - 52	60	57	0	0	0	25	0	0	0	15
53 - 72	202	195	0	0	0	93	0	0	0	58
73+	243	241	0	0	0	102	0	0	0	110
Total	933	844	0	0	0	323	0	0	0	241

Table 28—(continued).

Subregion and diameter class (in centimeters)	Total	Softwoods								
		Total soft-woods	Douglas-fir	Ponderosa and Jeffrey pine	True fir	Western hemlock	Sugar pine	Western white pine	Redwood	Sitka spruce
					Million cubic meters					
Pacific Northwest:										
13 - 17	128	107	35	9	15	17	0	0	0	0
18 - 23	239	198	72	17	27	35	0	1	0	0
24 - 27	311	258	102	25	33	47	0	1	0	0
28 - 32	353	294	125	28	39	55	1	1	0	0
33 - 37	344	296	137	29	37	52	0	1	0	0
38 - 42	331	291	142	27	37	49	0	1	0	0
43 - 47	304	273	134	24	36	44	0	1	0	0
48 - 52	272	251	128	23	34	36	1	1	0	0
53 - 72	796	757	389	77	101	103	3	2	0	1
73+	1,139	1,124	704	67	101	122	14	2	0	7
Total	4,217	3,848	1,969	327	462	561	19	11	1	9
Pacific Southwest:										
13 - 17	41	23	9	3	7	0	0	0	1	0
18 - 23	66	41	14	8	11	0	1	0	2	0
24 - 27	83	58	19	11	17	0	2	0	4	0
28 - 32	97	70	19	15	22	0	2	0	5	0
33 - 37	101	76	19	17	23	0	2	0	6	0
38 - 42	107	87	21	20	26	0	2	0	8	0
43 - 47	107	89	20	20	27	0	3	0	8	0
48 - 52	107	91	20	21	26	0	4	0	11	0
53 - 72	366	322	75	72	88	0	19	2	37	0
73+	561	536	177	88	131	0	48	4	49	0
Total	1,635	1,392	393	275	378	1	84	8	130	0
West total:										
13 - 17	516	414	84	34	79	24	1	1	1	2
18 - 23	853	705	157	65	111	47	1	2	2	4
24 - 27	978	826	213	90	127	63	2	2	4	7
28 - 32	996	859	248	103	135	75	2	3	5	8
33 - 37	912	804	258	107	122	75	3	4	6	11
38 - 42	825	739	257	98	113	71	3	3	8	12
43 - 47	726	661	234	88	102	69	4	3	8	15
48 - 52	633	584	209	79	89	64	5	2	11	16
53 - 72	1,780	1,673	594	237	242	201	22	7	37	59
73+	2,114	2,063	929	195	256	226	61	7	50	116
Total	10,331	9,329	3,184	1,096	1,375	915	103	34	131	250

Table 28—(continued).

Subregion and diameter class (in centimeters)	Softwoods -- continued						Hardwoods				
	Engelmann and other spruces	Western larch	Incense-cedar	Lodge-pole pine	Western red-cedar	Other soft-woods	Total hard-woods	Cotton-wood and aspen	Red alder	Oak	Other hard-woods
						Million cubic meters					
Great Plains:											
13 - 17	0	0	0	0	0	1	5	0	0	0	5
18 - 23	0	0	0	0	0	2	6	0	0	0	6
24 - 27	0	0	0	0	0	2	8	0	0	0	7
28 - 32	0	0	0	0	0	2	7	0	0	0	7
33 - 37	0	0	0	0	0	2	7	0	0	0	7
38 - 42	0	0	0	0	0	2	6	0	0	0	6
43 - 47	0	0	0	0	0	1	5	0	0	0	5
48 - 52	0	0	0	0	0	1	4	0	0	0	4
53 - 72	0	0	0	0	0	1	12	0	0	0	12
73+	0	0	0	0	0	0	7	0	0	0	7
Total	1	0	0	0	0	14	67	0	0	0	67
Intermountain:											
13 - 17	20	6	0	103	6	7	41	36	0	0	6
18 - 23	36	11	0	168	6	12	55	52	0	0	3
24 - 27	46	14	0	150	6	13	52	50	0	0	2
28 - 32	53	13	0	104	7	14	35	34	0	0	1
33 - 37	53	12	0	56	6	12	21	20	0	0	1
38 - 42	49	9	0	28	6	9	12	12	0	0	0
43 - 47	43	9	0	12	5	6	6	6	0	0	0
48 - 52	35	6	0	5	4	6	4	4	0	0	0
53 - 72	76	17	0	4	12	12	5	5	0	0	0
73+	21	7	0	0	15	4	2	2	0	0	0
Total	432	105	0	630	73	94	233	221	0	0	13
Alaska:											
13 - 17	12	0	0	0	0	2	17	6	0	0	11
18 - 23	26	0	0	0	1	4	20	7	0	0	13
24 - 27	25	0	0	0	1	5	13	5	0	0	8
28 - 32	25	0	0	0	1	7	10	4	0	0	6
33 - 37	19	0	0	0	2	9	6	3	0	0	3
38 - 42	13	0	0	0	2	9	8	5	0	0	2
43 - 47	7	0	0	0	2	11	4	3	0	0	1
48 - 52	3	0	0	0	3	9	3	3	0	0	0
53 - 72	2	0	0	0	9	30	7	6	0	0	0
73+	0	0	0	0	12	16	2	2	0	0	0
Total	130	0	0	1	35	102	89	44	1	0	44

Table 28—(continued).

Subregion and diameter class (in centimeters)	Softwoods -- continued						Hardwoods				
	Engelmann and other spruces	Western larch	Incense-cedar	Lodge-pole pine	Western red-cedar	Other soft-woods	Total hard-woods	Cotton-wood and aspen	Red alder	Oak	Other hard-woods
					Million cubic meters						
Pacific Northwest:											
13 - 17	2	3	1	19	4	1	21	0	11	1	9
18 - 23	3	5	1	27	6	3	41	1	24	1	14
24 - 27	5	7	1	24	7	4	54	2	34	2	16
28 - 32	7	7	1	18	8	5	59	2	40	2	16
33 - 37	7	7	1	12	8	5	48	1	32	2	13
38 - 42	7	7	1	6	8	6	40	2	27	1	11
43 - 47	7	6	1	4	8	6	32	2	19	1	9
48 - 52	7	5	1	2	8	5	21	2	11	1	7
53 - 72	16	12	4	2	28	17	39	6	15	2	16
73+	19	4	9	0	58	16	15	3	2	1	9
Total	80	64	20	114	142	69	369	21	213	14	121
Pacific Southwest:											
13 - 17	0	0	2	0	0	0	18	0	0	9	8
18 - 23	0	0	3	1	0	0	25	0	1	12	12
24 - 27	0	0	4	2	0	0	25	0	1	12	11
28 - 32	0	0	5	2	0	1	27	0	1	13	13
33 - 37	0	0	5	2	0	1	25	0	1	12	12
38 - 42	0	0	5	3	0	1	20	0	0	9	10
43 - 47	0	0	5	2	0	1	19	0	0	10	9
48 - 52	0	0	5	2	0	1	16	0	0	8	9
53 - 72	0	0	19	7	0	3	44	0	0	23	20
73+	0	0	27	5	0	7	25	0	0	14	11
Total	1	0	81	26	0	15	244	1	6	122	114
West total:											
13 - 17	34	8	3	123	10	11	102	42	11	11	38
18 - 23	66	16	4	195	13	21	148	61	26	14	48
24 - 27	76	21	5	175	15	26	151	57	35	14	46
28 - 32	84	21	5	124	16	29	137	40	41	14	42
33 - 37	79	19	6	70	16	29	107	25	33	14	36
38 - 42	70	16	6	37	16	26	86	19	27	10	29
43 - 47	56	15	6	19	15	25	65	11	19	11	24
48 - 52	45	12	6	9	15	22	48	8	11	8	21
53 - 72	94	30	23	13	49	63	106	18	16	25	48
73+	40	11	37	6	86	42	51	7	2	15	27
Total	644	169	101	771	250	294	1,003	287	220	136	359

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from volume by subregion in other tables because of rounding.

Table 29—Net volume of growing stock on planted and natural timberland in the Northern, Southern, and Western United States by fore type group and major ownership group, 1997

Forest type group[a]	All ownership groups			Public ownerships			Private ownerships		
	Total	Planted	Natural	Total	Planted	Natural	Total	Planted	Natural
				Million cubic meters					
Northern:									
White-red-jack pine	551	117	434	132	52	81	418	65	353
Spruce-fir	488	13	475	136	6	130	353	7	346
Longleaf-slash pine	0	0	0	0	0	0	0	0	0
Loblolly-shortleaf pine	68	10	58	20	5	15	48	5	43
Oak-pine	137	7	130	20	2	18	117	5	112
Oak-hickory	1,878	6	1,872	299	1	298	1,579	5	1,574
Oak-gum-cypress	33	0	32	6	0	6	26	0	26
Elm-ash-cottonwood	302	2	300	57	1	56	245	1	244
Maple-beech-birch	2,102	7	2,095	391	2	389	1,711	5	1,707
Aspen-birch	503	2	502	184	0	184	319	1	318
Nonstocked	1	0	1	0	0	0	0	0	0
Northern Total:	6,063	164	5,900	1,245	69	1,176	4,818	95	4,723
Southern:									
White-red-jack pine	46	8	38	14	1	13	32	6	26
Spruce-fir	0	0	0	0	0	0	0	0	0
Longleaf-slash pine	389	178	211	83	16	67	305	162	143
Loblolly-shortleaf pine	1,847	504	1,342	258	33	225	1,589	471	1,118
Oak-pine	948	45	903	141	5	136	807	40	767
Oak-hickory	2,558	13	2,545	336	1	334	2,222	11	2,211
Oak-gum-cypress	1,326	2	1,323	159	0	159	1,166	2	1,164
Elm-ash-cottonwood	89	1	88	12	0	12	77	1	76
Maple-beech-birch	52	0	52	10	0	10	42	0	42
Aspen-birch	0	0	0	0	0	0	0	0	0
Nonstocked	1	0	1	0	0	0	1	0	1
Southern Total:	7,255	751	6,504	1,014	57	957	6,241	693	5,548
Western[b] :									
Douglas-fir	3,174	[b]	[b]	2,307	[b]	[b]	867	[b]	[b]
Ponderosa pine	1,362	[b]	[b]	818	[b]	[b]	544	[b]	[b]
Western white pine	12	[b]	[b]	10	[b]	[b]	1	[b]	[b]
Fir-spruce	2,003	[b]	[b]	1,752	[b]	[b]	251	[b]	[b]
Hemlock-Sitka spruce	1,663	[b]	[b]	1,250	[b]	[b]	414	[b]	[b]
Larch	84	[b]	[b]	63	[b]	[b]	21	[b]	[b]
Lodgepole pine	736	[b]	[b]	639	[b]	[b]	96	[b]	[b]
Redwood	141	[b]	[b]	18	[b]	[b]	123	[b]	[b]
Other softwoods	85	[b]	[b]	65	[b]	[b]	21	[b]	[b]
Western hardwoods	1,061	[b]	[b]	432	[b]	[b]	630	[b]	[b]
Pinyon-juniper	5	[b]	[b]	5	[b]	[b]	0	[b]	[b]
Nonstocked	5	[b]	[b]	1	[b]	[b]	4	[b]	[b]
Western Total:	10,331	[b]	[b]	7,360	[b]	[b]	2,972	[b]	[b]
United States:	23,650	[b]	[b]	9,618	[b]	[b]	14,032	[b]	[b]

[a] Forest type reflects the current dominant species by plurality of stocking and may not reflect the actual species planted at the time of stand origin.

[b] Approximately 5.5 million hectares of forest in the West are planted, primarily to augment natural regeneration after a harvest and ensure adequate stocking of desired species. The species planted are usually native, making these stands difficult to detect during field sampling. Additionally, there are thousands of hectares of more traditional "plantations" such as those found in the East that are not currently identified during field sampling. Refer to the text accompanying this report for a discussion of planted forest in the West.

Note: Data may not add to totals because of rounding.

Table 30—Net volume of softwood growing stock on timberland in the United States by diameter class, region, and subreg 1997, 1987, 1977, 1963, and 1953

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
North:												
Northeast	1997	876	106	150	145	134	108	79	52	35	55	12
	1987	895	134	181	171	139	95	65	40	26	37	7
	1977	877	216	205	154	110	72	48	29	17	22	4
	1963	680	171	162	115	82	56	37	22	15	19	2
	1953	567	131	134	89	71	51	34	20	15	20	3
North Central	1997	522	101	117	94	67	45	30	22	15	25	5
	1987	453	97	108	83	56	36	24	17	12	17	2
	1977	364	90	88	62	40	27	20	14	9	13	2
	1963	272	74	63	43	30	19	14	10	7	10	2
	1953	199	51	45	33	24	15	10	7	5	8	1
North total:	1997	1,397	207	268	239	202	153	109	74	50	80	17
	1987	1,348	231	289	254	195	131	89	58	38	53	9
	1977	1,241	306	293	216	150	99	68	43	26	35	6
	1963	953	245	225	158	112	75	51	32	22	29	4
	1953	766	182	179	122	95	65	44	28	19	28	4
South:												
Southeast	1997	1,468	187	265	259	228	182	134	86	53	65	9
	1987	1,489	183	267	280	250	193	129	82	46	52	7
	1977	1,444	196	266	277	242	183	123	71	40	42	5
	1963	1,137	155	216	233	205	138	84	49	27	27	3
	1953	1,006	129	192	211	186	121	72	41	23	27	4
South Central	1997	1,499	135	213	227	237	215	173	118	76	95	11
	1987	1,500	135	213	254	254	213	164	110	68	80	8
	1977	1,421	147	218	248	239	196	145	96	59	66	7
	1963	988	110	154	170	165	135	103	67	40	41	3
	1953	705	73	109	129	123	98	72	47	25	26	3
South total:	1997	2,967	322	478	486	464	398	307	204	129	160	20
	1987	2,989	318	479	534	504	406	292	192	115	133	15
	1977	2,864	343	483	525	481	379	268	167	99	108	12
	1963	2,125	264	370	403	369	273	187	116	67	68	7
	1953	1,711	202	300	340	309	219	144	88	48	53	7
Rocky Mountain:												
Great Plains	1997	44	4	8	8	8	6	4	3	2	2	0
	1987	54	5	8	9	10	8	6	4	2	2	0
	1977	51	4	8	9	9	7	6	4	2	2	0
	1963	42	3	5	6	7	6	5	4	3	3	0
	1953	37	2	4	5	6	5	5	4	3	4	0
Intermountain	1997	3,201	259	415	451	429	365	300	239	184	398	161
	1987	2,784	244	349	379	352	302	253	202	159	372	172
	1977	2,641	266	333	336	310	274	231	196	161	377	158
	1963	2,597	291	282	292	287	267	241	205	171	410	151
	1953	2,441	243	239	253	254	242	222	195	167	423	203

Table 30—(continued).

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
Rocky Mountain	1997	3,245	263	423	459	437	371	305	242	185	400	161
total:	1987	2,838	249	356	388	361	310	260	207	161	374	172
	1977	2,692	270	341	345	319	281	237	199	163	379	158
	1963	2,638	294	287	298	293	273	246	209	174	413	151
	1953	2,478	245	243	258	259	247	227	199	170	426	203
Pacific Coast:												
Alaska	1997	844	21	44	52	58	61	56	58	57	195	241
	1987	1,049	27	55	68	77	76	75	78	71	249	274
	1977	1,366	38	52	78	100	113	116	104	97	327	341
	1963	1,399	34	46	70	93	107	115	108	102	348	378
	1953	1,391	31	42	64	88	102	112	107	103	351	390
Pacific Northwest	1997	3,848	107	198	258	294	296	291	273	251	757	1,124
	1987	3,698	118	217	277	307	301	291	270	241	705	972
	1977	3,751	165	205	233	249	247	246	240	222	744	1,200
	1963	4,103	140	186	214	234	238	244	240	229	811	1,568
	1953	4,233	121	158	180	209	205	229	222	225	835	1,849
Pacific Southwest	1997	1,392	23	41	58	70	76	87	89	91	322	536
	1987	1,311	25	40	50	60	67	74	79	75	289	550
	1977	1,301	22	36	46	53	63	68	70	71	283	591
	1963	1,510	26	42	51	57	61	64	65	66	284	793
	1953	1,642	22	35	45	52	58	61	64	65	287	952
Pacific Coast total:	1997	6,083	151	282	368	422	433	434	419	399	1,274	1,902
	1987	6,058	170	312	394	444	444	440	426	388	1,244	1,795
	1977	6,418	225	293	357	402	422	430	414	390	1,354	2,131
	1963	7,012	200	273	334	384	407	422	413	398	1,443	2,738
	1953	7,266	174	236	290	348	366	402	394	393	1,473	3,191
United States:	1997	13,693	944	1,451	1,551	1,525	1,355	1,154	938	763	1,913	2,099
	1987	13,232	969	1,437	1,571	1,505	1,292	1,081	882	701	1,804	1,991
	1977	13,215	1,143	1,410	1,443	1,352	1,182	1,002	823	678	1,876	2,306
	1963	12,728	1,004	1,155	1,193	1,158	1,027	907	770	660	1,953	2,900
	1953	12,220	802	958	1,011	1,011	897	818	708	630	1,980	3,405

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from total volume by subregion in other tables because of rounding.

Table 31—Net volume of hardwood growing stock on timberland in the United States by diameter class, region, and subregion, 1997, 1987, 1977, 1963, and 1953

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
North:												
Northeast	1997	2,554	230	380	442	399	341	256	174	117	174	39
	1987	2,279	263	376	405	357	293	208	142	87	125	22
	1977	1,905	297	346	347	279	220	154	101	63	84	13
	1963	1,495	242	276	266	208	164	118	81	53	75	11
	1953	1,222	196	218	207	162	132	101	72	47	77	11
North Central	1997	2,112	210	299	346	321	274	212	150	99	164	37
	1987	1,752	231	286	295	257	201	154	108	74	115	29
	1977	1,467	220	274	264	210	168	119	79	50	70	15
	1963	1,183	188	225	205	159	125	93	62	43	70	14
	1953	948	135	168	171	123	103	77	55	37	68	12
North total:	1997	4,666	441	679	787	720	615	468	325	216	338	77
	1987	4,030	494	662	701	614	494	362	250	161	240	52
	1977	3,372	517	619	612	489	388	273	179	113	154	28
	1963	2,678	431	501	471	367	289	210	143	96	145	25
	1953	2,170	331	386	378	285	234	178	126	84	145	23
South:												
Southeast	1997	2,013	158	222	270	289	277	237	181	131	204	44
	1987	1,929	169	231	270	293	269	221	164	108	168	36
	1977	1,718	170	227	260	261	236	184	131	84	135	28
	1963	1,330	129	175	204	207	186	137	101	67	104	20
	1953	1,175	101	148	181	179	167	122	93	63	102	20
South Central	1997	2,275	187	278	335	316	306	253	194	138	221	47
	1987	2,006	209	281	321	297	268	212	150	97	145	25
	1977	1,740	210	254	279	251	227	181	124	79	115	21
	1963	1,471	165	214	243	221	193	145	101	68	104	17
	1953	1,315	128	175	207	199	178	139	101	67	106	17
South total:	1997	4,288	345	500	605	605	583	490	375	269	425	91
	1987	3,934	378	511	591	590	538	433	314	205	313	61
	1977	3,457	380	482	539	512	463	365	255	163	250	49
	1963	2,801	294	389	447	428	379	282	202	135	209	37
	1953	2,491	229	322	388	378	345	261	194	130	208	37
Rocky Mountain:												
Great Plains	1997	67	5	6	8	7	7	6	5	4	12	7
	1987	42	5	4	5	4	4	3	3	2	7	5
	1977	36	4	4	5	4	4	3	3	2	7	1
	1963	31	3	4	4	3	3	3	2	2	6	1
	1953	31	3	4	4	3	3	3	3	2	6	1
Intermountain	1997	233	41	55	52	35	21	12	6	4	5	2
	1987	176	31	40	40	25	16	9	5	4	5	2
	1977	138	23	33	28	21	13	8	5	3	4	0
	1963	127	16	27	27	21	14	9	6	3	4	0
	1953	113	13	23	23	19	13	8	5	3	4	1

Table 31—(continued).

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
Rocky Mountain	1997	300	46	61	60	41	28	18	11	8	17	9
total:	1987	217	35	45	45	29	19	12	7	6	11	7
	1977	174	26	37	33	25	17	11	7	5	10	1
	1963	158	19	30	31	24	18	12	8	5	11	1
	1953	144	15	26	27	22	17	12	8	5	10	1
Pacific Coast:												
Alaska	1997	89	17	20	13	10	6	8	4	3	7	2
	1987	119	19	29	19	16	9	10	5	4	6	2
	1977	119	17	26	21	12	11	9	6	4	9	5
	1963	119	17	25	21	12	10	9	6	4	9	6
	1953	119	17	25	20	12	10	9	6	4	9	6
Pacific Northwest	1997	369	21	41	54	59	48	40	32	21	39	15
	1987	368	23	44	59	60	51	39	29	18	33	12
	1977	298	34	42	45	43	37	27	22	14	26	8
	1963	262	37	38	37	35	30	22	17	12	26	7
	1953	200	29	30	30	27	23	15	13	9	19	5
Pacific Southwest	1997	244	18	25	25	27	25	20	19	16	44	25
	1987	219	16	23	23	22	21	20	18	14	40	23
	1977	110	7	12	12	11	10	10	8	8	20	11
	1963	90	6	9	8	9	9	8	8	6	16	12
	1953	86	5	9	7	8	9	7	7	6	15	13
Pacific Coast total:	1997	702	56	86	92	96	79	68	54	40	89	41
	1987	706	58	96	101	98	82	68	52	35	79	38
	1977	527	59	79	78	66	58	46	36	26	55	24
	1963	471	60	72	66	55	50	39	31	23	51	24
	1953	405	52	64	57	47	42	31	26	19	44	24
United States:	1997	9,956	888	1,327	1,544	1,463	1,305	1,044	764	533	870	218
	1987	8,889	965	1,315	1,439	1,331	1,133	876	623	407	643	157
	1977	7,531	982	1,217	1,262	1,092	926	696	477	307	469	102
	1963	6,108	803	992	1,015	874	736	543	384	259	415	88
	1953	5,210	627	798	850	731	638	481	354	239	406	86

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from total volume by subregion in other tables because of rounding.

Table 32—Net volume of growing stock on timberland in the United States by diameter class, region, and subregion, 1997, 1987, 1977, 1963, and 1953

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
North:												
Northeast	1997	3,429	336	530	587	534	449	335	226	152	229	51
	1987	3,173	397	557	576	496	388	273	182	113	161	29
	1977	2,782	513	551	501	389	293	203	130	81	106	17
	1963	2,175	413	438	381	290	220	154	103	68	94	14
	1953	1,789	327	352	297	232	182	135	92	62	97	14
North Central	1997	2,634	311	417	439	388	319	241	172	114	189	42
	1987	2,205	328	394	378	312	237	179	126	86	132	31
	1977	1,831	309	361	326	250	195	139	92	59	83	16
	1963	1,455	262	288	248	189	144	107	73	50	80	16
	1953	1,147	186	213	204	148	117	86	62	42	76	13
North total:	1997	6,063	648	947	1,026	922	767	576	398	266	418	94
	1987	5,378	726	952	955	809	625	451	308	199	293	60
	1977	4,613	822	912	827	639	487	341	222	139	189	33
	1963	3,631	676	726	629	479	364	261	175	118	174	29
	1953	2,936	513	565	500	380	300	221	154	104	172	27
South:												
Southeast	1997	3,480	346	487	529	517	459	371	267	184	269	52
	1987	3,418	352	497	550	543	463	349	245	154	221	43
	1977	3,161	366	493	537	503	419	307	201	124	177	34
	1963	2,467	284	392	437	411	324	221	150	93	131	23
	1953	2,181	229	339	392	365	288	194	135	86	129	24
South Central	1997	3,775	322	491	562	553	521	426	312	214	316	58
	1987	3,505	344	493	575	551	481	376	260	165	226	34
	1977	3,160	357	472	527	490	423	326	220	138	181	27
	1963	2,459	274	367	413	386	328	249	168	108	145	21
	1953	2,020	202	283	336	322	277	211	147	92	132	20
South total:	1997	7,255	668	978	1,091	1,070	980	797	578	398	585	110
	1987	6,923	696	991	1,125	1,094	944	726	505	320	446	76
	1977	6,321	723	965	1,064	993	842	633	422	262	358	61
	1963	4,926	558	759	850	797	652	470	318	201	276	44
	1953	4,202	431	623	728	686	564	405	282	177	261	44
Rocky Mountain:												
Great Plains	1997	111	9	14	15	14	13	10	8	6	14	7
	1987	96	9	12	14	14	12	9	7	4	8	5
	1977	87	8	12	14	13	11	9	6	4	9	1
	1963	73	6	8	10	10	9	8	6	5	10	1
	1953	68	5	7	9	9	8	8	7	5	9	1
Intermountain	1997	3,435	301	470	503	464	386	313	245	187	403	163
	1987	2,960	275	389	419	377	318	262	207	162	377	174
	1977	2,779	288	366	365	331	287	239	201	163	380	158
	1963	2,724	307	309	319	308	281	250	211	175	414	151
	1953	2,553	255	262	277	272	255	231	200	170	427	204

Table 32—(continued).

Region and subregion	Year	Total	Diameter class (centimeters) 13 to 17	18 to 23	24 to 27	28 to 32	33 to 37	38 to 42	43 to 47	48 to 52	52 to 72	73+
			Million cubic meters									
Rocky Mountain	1997	3,546	310	484	518	478	399	323	253	194	416	171
total:	1987	3,056	285	401	434	391	330	272	214	166	386	179
	1977	2,866	296	378	379	344	298	248	207	168	389	159
	1963	2,797	312	317	329	318	290	258	217	180	424	152
	1953	2,621	260	269	285	281	263	239	207	175	436	205
Pacific Coast:												
Alaska	1997	933	38	64	65	68	68	64	62	60	202	243
	1987	1,168	46	84	87	92	85	85	83	75	255	276
	1977	1,486	56	78	99	111	124	125	110	101	336	346
	1963	1,517	51	71	90	104	118	123	113	106	357	383
	1953	1,509	48	67	85	99	113	121	113	107	361	395
Pacific Northwest	1997	4,217	128	239	311	353	344	331	304	272	796	1,139
	1987	4,067	141	261	336	368	352	329	298	259	738	984
	1977	4,049	199	246	278	292	284	273	262	237	770	1,207
	1963	4,365	177	224	251	269	268	266	257	242	837	1,574
	1953	4,433	150	188	210	236	228	244	235	235	854	1,854
Pacific Southwest	1997	1,635	41	66	83	97	101	107	107	107	366	561
	1987	1,530	41	63	73	83	89	94	97	89	329	573
	1977	1,411	29	47	57	64	73	78	78	79	304	602
	1963	1,601	32	51	60	66	71	72	73	72	300	805
	1953	1,728	27	44	52	60	67	68	71	70	302	966
Pacific Coast total:	1997	6,785	206	369	460	518	513	502	473	439	1,363	1,943
	1987	6,764	228	408	495	543	526	508	478	423	1,322	1,833
	1977	6,946	283	372	435	468	480	476	450	417	1,410	2,155
	1963	7,483	260	345	401	439	457	461	444	421	1,494	2,763
	1953	7,671	226	300	347	395	407	433	419	412	1,517	3,215
United States:	1997	23,649	1,832	2,778	3,095	2,988	2,660	2,198	1,703	1,297	2,783	2,318
	1987	22,121	1,934	2,751	3,009	2,836	2,425	1,957	1,506	1,108	2,447	2,148
	1977	20,746	2,124	2,627	2,704	2,444	2,108	1,699	1,300	986	2,345	2,408
	1963	18,836	1,807	2,147	2,208	2,032	1,763	1,450	1,154	919	2,368	2,988
	1953	17,430	1,429	1,756	1,861	1,742	1,535	1,299	1,062	868	2,387	3,491

Note: Data may not add to totals because of rounding. Total volume by subregion in this table may differ slightly from total volume by subregion in other tables because of rounding.

Table 33—Annual mortality of growing stock on timberland in the United States by ownership group, region, subregion, and species group, 1996, 1986, 1976, 1962, and 1952

Region, subregion, and species group	All owners					National forest					Other public[a]				
	1996	1986	1976	1962	1952	1996	1986	1976	1962	1952	1996	1986	1976	1962	1952
	Thousand cubic meters														
North:															
Northeast:															
Softwoods	7,743	7,277	5,421	5,094	4,268	214	153	49	118	101	475	421	299	224	196
Hardwoods	14,550	11,836	10,097	8,530	7,024	742	439	306	340	278	2,069	1,448	950	779	622
Total	22,293	19,113	15,517	13,624	11,292	956	592	356	459	379	2,544	1,869	1,249	1,003	818
North Central:															
Softwoods	5,148	3,139	3,758	3,202	1,835	933	561	615	688	459	1,702	1,169	1,045	943	556
Hardwoods	18,625	12,929	13,229	9,780	6,407	1,584	1,246	1,022	848	521	3,426	2,482	2,909	1,893	1,096
Total	23,773	16,068	16,986	12,982	8,241	2,517	1,808	1,637	1,536	980	5,129	3,651	3,954	2,835	1,652
North Total:															
Softwoods	12,891	10,416	9,178	8,296	6,102	1,147	714	664	806	560	2,177	1,590	1,344	1,167	752
Hardwoods	33,175	24,764	23,326	18,310	13,431	2,326	1,685	1,328	1,189	799	5,496	3,930	3,859	2,672	1,718
Total	46,066	35,181	32,504	26,606	19,533	3,472	2,399	1,993	1,995	1,359	7,673	5,519	5,203	3,839	2,470
South:															
Southeast:															
Softwoods	17,828	13,848	11,773	7,364	6,642	1,656	853	607	291	334	1,163	738	525	464	314
Hardwoods	17,081	10,503	8,116	8,518	8,032	1,501	998	689	538	526	898	401	368	266	178
Total	34,909	24,351	19,889	15,882	14,674	3,157	1,851	1,296	829	860	2,060	1,139	893	730	492
South Central:															
Softwoods	11,485	9,946	6,118	3,928	2,793	970	835	559	538	343	486	337	198	91	85
Hardwoods	16,887	13,046	10,167	13,284	10,052	812	517	410	569	346	1,433	858	512	345	237
Total	28,372	22,992	16,286	17,212	12,845	1,781	1,352	970	1,107	689	1,919	1,195	709	436	321
South total:															
Softwoods	29,313	23,794	17,891	11,292	9,435	2,626	1,688	1,166	829	677	1,649	1,075	723	555	399
Hardwoods	33,968	23,548	18,283	21,802	18,084	2,313	1,515	1,100	1,107	872	2,331	1,259	880	611	415
Total	63,281	47,342	36,175	33,094	27,519	4,939	3,203	2,266	1,936	1,550	3,980	2,334	1,603	1,166	814
Rocky Mountain:															
Great Plains:															
Softwoods	271	199	112	102	93	194	127	100	91	86	19	1	4	2	2
Hardwoods	1,076	221	830	727	700	7	2	0	0	0	82	13	124	117	110
Total	1,347	420	941	829	793	201	129	100	91	86	101	14	128	119	112
Intermountain:															
Softwoods	25,186	13,807	12,870	16,935	15,998	20,062	10,348	7,655	11,841	10,986	1,563	1,447	1,886	1,865	1,878
Hardwoods	2,922	1,206	1,108	1,101	979	1,986	627	505	552	487	114	116	190	173	154
Total	28,108	15,013	13,978	18,036	16,977	22,048	10,974	8,160	12,393	11,473	1,677	1,562	2,076	2,037	2,032
Rocky Mountain total:															
Softwoods	25,457	14,006	12,982	17,037	16,091	20,256	10,474	7,755	11,932	11,072	1,581	1,448	1,890	1,867	1,879
Hardwoods	3,998	1,427	1,938	1,828	1,679	1,993	628	505	552	487	196	129	314	290	264
Total	29,454	15,433	14,920	18,865	17,770	22,249	11,103	8,260	12,484	11,558	1,778	1,577	2,203	2,157	2,144
Pacific Coast:															
Alaska:															
Softwoods	5,506	4,875	6,045	6,288	6,359	3,499	2,823	4,154	4,645	4,842	931	720	1,805	1,606	1,488
Hardwoods	288	281	266	265	268	12	4	43	46	46	183	162	217	217	219
Total	5,793	5,156	6,311	6,553	6,627	3,511	2,828	4,198	4,690	4,887	1,114	883	2,022	1,822	1,707
Pacific Northwest:															
Softwoods	22,006	18,617	19,799	25,648	26,956	13,268	11,943	9,246	11,812	11,527	2,711	3,204	4,873	5,233	5,943
Hardwoods	3,346	2,041	2,032	1,811	1,429	140	113	187	198	173	678	355	337	475	388
Total	25,352	20,658	21,831	27,459	28,385	13,408	12,056	9,432	12,011	11,699	3,389	3,560	5,210	5,708	6,331
Pacific Southwest:															
Softwoods	7,446	7,013	3,897	9,795	10,380	4,297	4,845	2,287	5,606	5,646	170	181	144	362	467
Hardwoods	1,465	688	192	289	286	62	148	65	198	209	96	68	25	8	8
Total	8,911	7,701	4,089	10,083	10,666	4,359	4,993	2,352	5,804	5,855	266	249	169	371	475
Pacific Coast total:															
Softwoods	34,958	30,505	29,740	41,731	43,695	21,064	19,611	15,687	22,064	22,014	3,813	4,106	6,823	7,201	7,897
Hardwoods	5,098	3,010	2,490	2,365	1,983	214	265	295	442	428	956	586	578	701	616
Total	40,056	33,515	32,230	44,096	45,678	21,278	19,876	15,982	22,505	22,442	4,768	4,691	7,401	7,901	8,513
United States:															
Softwoods	102,619	78,721	69,792	78,355	75,324	45,093	32,487	25,272	35,631	34,323	9,220	8,219	10,779	10,789	10,928
Hardwoods	76,239	52,750	46,037	44,305	35,176	6,845	4,094	3,229	3,289	2,586	8,979	5,903	5,631	4,273	3,013
Total	178,857	131,471	115,828	122,661	110,501	51,938	36,582	28,501	38,919	36,909	18,199	14,122	16,410	15,063	13,941

Table 33—(continued).

Region, subregion, and species group	Forest Industry					Nonindustrial private[a]				
	1996	1986	1976	1962	1952	1996	1986	1976	1962	1952
	Thousand cubic meters									
North:										
Northeast:										
Softwoods	2,859	2,695	1,850	1,281	1,072	4,195	4,009	3,222	3,471	2,899
Hardwoods	1,536	1,299	1,233	941	825	10,204	8,650	7,607	6,469	5,300
Total	4,394	3,993	3,084	2,222	1,896	14,399	12,659	10,829	9,940	8,199
North Central:										
Softwoods	485	375	628	495	235	2,027	1,034	1,470	1,076	585
Hardwoods	740	661	1,243	818	432	12,874	8,539	8,054	6,221	4,357
Total	1,226	1,037	1,871	1,314	668	14,901	9,573	9,524	7,297	4,942
North total:										
Softwoods	3,344	3,070	2,478	1,776	1,307	6,223	5,043	4,692	4,547	3,484
Hardwoods	2,276	1,960	2,477	1,760	1,257	23,078	17,189	15,661	12,690	9,657
Total	5,620	5,030	4,955	3,536	2,564	29,300	22,232	20,353	17,237	13,141
South:										
Southeast:										
Softwoods	2,484	2,013	1,811	1,421	1,251	12,525	10,244	8,830	5,187	4,743
Hardwoods	2,066	1,616	1,136	1,189	1,240	12,616	7,488	5,923	6,526	6,087
Total	4,550	3,629	2,947	2,609	2,490	25,141	17,732	14,752	11,713	10,830
South Central:										
Softwoods	2,759	2,434	1,838	1,477	1,097	7,270	6,340	3,524	1,823	1,268
Hardwoods	2,622	2,024	1,750	2,323	1,437	12,020	9,647	7,495	10,047	8,033
Total	5,381	4,458	3,588	3,801	2,534	19,290	15,987	11,019	11,869	9,301
South total:										
Softwoods	5,243	4,447	3,649	2,898	2,347	19,795	16,584	12,353	7,010	6,011
Hardwoods	4,688	3,640	2,886	3,512	2,676	24,636	17,135	13,418	16,572	14,120
Total	9,931	8,086	6,535	6,410	5,024	44,431	33,719	25,771	23,582	20,131
Rocky Mountain:										
Great Plains:										
Softwoods	0	0	1	0	0	58	71	7	8	6
Hardwoods	0	0	0	0	0	987	206	706	610	590
Total	0	0	1	0	0	1,045	277	712	618	595
Intermountain:										
Softwoods	1,165	784	634	649	628	2,397	1,228	2,696	2,580	2,506
Hardwoods	6	0	10	13	12	815	464	403	363	326
Total	1,171	784	644	663	641	3,212	1,693	3,098	2,943	2,832
Rocky Mountain total:										
Softwoods	1,165	784	635	650	628	2,454	1,300	2,702	2,588	2,512
Hardwoods	6	0	10	13	12	1,802	670	1,108	974	916
Total	1,171	784	645	663	641	4,257	1,969	3,811	3,561	3,427
Pacific Coast:										
Alaska:										
Softwoods	0	0	0	0	0	1,076	1,331	85	37	30
Hardwoods	0	0	0	0	0	93	114	6	3	3
Total	0	0	0	0	0	1,169	1,445	91	40	33
Pacific Northwest:										
Softwoods	3,152	2,108	3,801	6,294	7,222	2,876	1,362	1,879	2,309	2,264
Hardwoods	1,102	677	724	507	362	1,426	895	784	631	507
Total	4,254	2,785	4,525	6,800	7,584	4,301	2,258	2,663	2,940	2,771
Pacific Southwest:										
Softwoods	1,498	836	583	1,358	1,514	1,481	1,151	883	2,468	2,754
Hardwoods	396	149	48	42	31	912	323	54	40	37
Total	1,894	985	631	1,401	1,545	2,393	1,474	937	2,507	2,790
Pacific Coast total:										
Softwoods	4,650	2,944	4,384	7,652	8,736	5,432	3,845	2,847	4,814	5,047
Hardwoods	1,498	827	773	549	393	2,431	1,332	844	674	546
Total	6,148	3,770	5,156	8,201	9,130	7,863	5,177	3,691	5,488	5,593
United States:										
Softwoods	14,402	11,244	11,145	12,976	13,019	33,904	26,771	22,595	18,959	17,055
Hardwoods	8,468	6,427	6,145	5,834	4,339	51,947	36,326	31,031	30,910	25,238
Total	22,870	17,670	17,291	18,810	17,358	85,851	63,097	53,626	49,869	42,293

[a] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 34—Net annual growth of growing stock on timberland in the United States by ownership group, region, subregion, and species group, 1996, 1986, 1976, 1962, and 1952

Region, subregion, and species group	All owners					National forest					Other public[a]				
	1996	1986	1976	1962	1952	1996	1986	1976	1962	1952	1996[a]	1986	1976	1962	1952
	Thousand cubic meters														
North:															
Northeast:															
Softwoods	18,284	19,859	30,204	23,260	18,469	392	538	520	436	376	1,717	1,515	1,381	896	769
Hardwoods	62,919	63,572	58,654	48,730	38,431	1,938	3,708	3,311	2,491	1,965	5,517	7,501	6,733	5,148	4,026
Total	81,203	83,431	88,858	71,990	56,900	2,329	4,246	3,831	2,926	2,341	7,234	9,016	8,113	6,045	4,795
North Central:															
Softwoods	14,805	16,599	13,895	11,009	9,076	2,667	3,329	2,764	2,078	1,619	3,978	4,764	4,019	3,398	2,611
Hardwoods	57,378	55,959	48,621	42,178	39,201	3,931	4,366	4,492	3,985	3,170	8,559	9,650	8,612	7,628	6,031
Total	72,183	72,558	62,516	53,187	48,277	6,597	7,695	7,256	6,063	4,790	12,537	14,413	12,631	11,026	8,642
North total:															
Softwoods	33,089	36,459	44,099	34,269	27,544	3,058	3,867	3,283	2,514	1,995	5,695	6,278	5,400	4,294	3,380
Hardwoods	120,297	119,531	107,275	90,922	77,632	5,868	8,074	7,803	6,476	5,136	14,076	17,151	15,345	12,776	10,057
Total	153,386	155,990	151,374	125,177	105,177	8,927	11,941	11,087	8,990	7,131	19,771	23,429	20,745	17,071	13,437
South:															
Southeast:															
Softwoods	78,640	74,204	87,843	60,887	53,035	1,618	2,654	3,877	2,538	2,273	4,090	4,185	4,217	2,384	1,981
Hardwoods	55,237	59,543	61,864	41,546	36,553	2,961	3,942	3,990	2,446	2,072	2,756	2,431	2,009	916	769
Total	133,877	133,747	149,707	102,433	89,587	4,579	6,596	7,867	4,985	4,345	6,846	6,617	6,226	3,301	2,750
South Central:															
Softwoods	88,015	81,412	90,860	72,089	50,017	5,434	6,533	6,943	9,517	5,980	1,857	1,543	2,014	1,633	1,596
Hardwoods	81,259	67,433	79,882	54,511	49,517	4,083	3,807	4,077	3,150	1,904	3,720	2,855	3,076	1,998	1,562
Total	169,275	148,845	170,742	126,600	99,534	9,517	10,340	11,020	12,667	7,883	5,576	4,398	5,090	3,631	3,157
South total:															
Softwoods	166,655	155,617	178,703	132,975	103,052	7,052	9,187	10,820	12,056	8,253	5,946	5,729	6,230	4,017	3,577
Hardwoods	136,497	126,976	141,746	96,058	86,069	7,044	7,749	8,067	5,596	3,975	6,476	5,286	5,086	2,914	2,331
Total	303,152	282,592	320,449	229,033	189,121	14,096	16,936	18,888	17,652	12,228	12,422	11,015	11,316	6,931	5,908
Rocky Mountain:															
Great Plains:															
Softwoods	1,428	1,342	1,232	861	629	1,181	934	880	594	416	24	88	84	57	42
Hardwoods	1,268	1,088	1,127	961	863	11	16	19	6	3	93	92	101	83	74
Total	2,696	2,430	2,358	1,822	1,492	1,192	949	899	600	419	117	180	185	140	116
Intermountain:															
Softwoods	54,117	54,037	43,879	34,707	30,499	34,861	35,763	28,679	21,364	19,057	4,741	6,132	4,485	3,921	3,329
Hardwoods	12,061	3,717	2,804	1,865	1,607	4,029	1,603	1,854	1,030	886	1,706	685	197	175	155
Total	66,177	57,755	46,684	36,572	32,106	38,890	37,366	30,533	22,394	19,943	6,447	6,818	4,681	4,096	3,484
Rocky Mountain total:															
Softwoods	55,544	55,379	45,111	35,568	31,128	36,042	36,697	29,559	21,958	19,473	4,765	6,220	4,569	3,978	3,371
Hardwoods	13,329	4,805	3,931	2,826	2,471	4,040	1,619	1,873	1,036	889	1,799	778	297	258	229
Total	68,873	60,184	49,042	38,394	33,598	40,082	38,316	31,432	22,994	20,362	6,564	6,998	4,866	4,236	3,600
Pacific Coast:															
Alaska:															
Softwoods	3,874	2,906	4,599	3,535	2,932	2,416	435	640	448	293	1,146	1,888	3,874	3,042	2,620
Hardwoods	2,431	2,651	193	190	190	115	22	0	0	0	1,732	1,565	187	187	187
Total	6,305	5,557	4,792	3,725	3,122	2,531	457	641	449	294	2,878	3,454	4,061	3,229	2,807
Pacific Northwest:															
Softwoods	87,182	92,561	61,091	51,466	41,672	31,062	30,451	15,248	14,345	12,477	15,788	17,946	13,216	11,425	7,327
Hardwoods	11,084	14,098	11,343	8,555	6,268	1,895	1,896	416	419	385	2,310	2,477	2,632	1,633	948
Total	98,266	106,659	72,434	60,021	47,940	32,957	32,347	15,664	14,764	12,862	18,098	20,423	15,848	13,058	8,275
Pacific Southwest:															
Softwoods	32,691	25,169	20,184	14,139	12,565	17,440	11,930	10,287	5,252	4,585	817	713	393	396	396
Hardwoods	3,769	4,438	2,240	2,264	2,123	117	0	456	849	821	149	449	219	142	170
Total	36,460	29,607	22,423	16,403	14,688	17,556	11,930	10,743	6,101	5,405	966	1,162	612	538	566
Pacific Coast total:															
Softwoods	123,747	120,637	85,873	69,140	57,169	50,918	42,816	26,175	20,046	17,355	17,751	20,548	17,483	14,863	10,343
Hardwoods	17,283	21,187	13,775	11,009	8,581	2,127	1,918	872	1,268	1,206	4,191	4,491	3,038	1,961	1,305
Total	141,030	141,823	99,649	80,149	65,750	53,045	44,734	27,047	21,314	18,561	21,942	25,038	20,521	16,824	11,648
United States:															
Softwoods	379,035	368,091	353,786	271,952	218,893	97,071	92,566	69,838	56,573	47,076	34,158	38,775	33,682	27,153	20,671
Hardwoods	287,406	272,499	266,728	200,800	174,753	19,078	19,360	18,616	14,376	11,206	26,542	27,706	23,766	17,910	13,921
Total	666,441	640,590	620,514	472,752	393,646	116,149	111,926	88,453	70,949	58,282	60,700	66,481	57,448	45,063	34,593

Table 34—(continued).

Region, subregion, and species group	Forest Industry					Nonindustrial private[a]				
	1996	1986	1976	1962	1952	1996	1986	1976	1962	1952
	Thousand cubic meters									
North:										
Northeast:										
Softwoods	1,826	5,333	10,679	6,682	5,064	14,350	12,474	17,624	15,246	12,260
Hardwoods	5,545	6,510	6,400	4,415	3,639	49,919	45,853	42,210	36,676	28,801
Total	7,371	11,842	17,080	11,096	8,702	64,268	58,327	59,834	51,922	41,062
North Central:										
Softwoods	1,003	1,420	1,559	1,244	1,225	7,157	7,087	5,553	4,290	3,621
Hardwoods	2,441	2,982	3,351	2,838	2,803	42,448	38,961	32,166	27,726	27,196
Total	3,444	4,402	4,910	4,082	4,028	49,604	46,049	37,719	32,016	30,817
North total:										
Softwoods	2,829	6,752	12,238	7,925	6,289	21,506	19,561	23,177	19,536	15,881
Hardwoods	7,986	9,492	9,751	7,253	6,442	92,366	84,815	74,376	64,402	55,997
Total	10,815	16,244	21,989	15,187	12,731	113,873	104,376	97,553	83,938	71,878
South:										
Southeast:										
Softwoods	25,178	20,513	19,470	11,624	10,601	47,755	46,852	60,279	44,339	38,180
Hardwoods	5,416	6,958	7,330	4,922	4,834	44,104	46,212	48,535	33,262	28,879
Total	30,594	27,470	26,800	16,546	15,434	91,858	93,064	108,814	77,602	67,058
South Central:										
Softwoods	32,122	23,464	25,312	27,491	20,022	48,603	49,872	56,591	33,448	22,420
Hardwoods	10,132	9,837	12,811	8,071	5,740	63,325	50,933	59,917	41,293	40,311
Total	42,254	33,302	38,124	35,562	25,762	111,927	100,805	116,508	74,740	62,731
South total:										
Softwoods	57,299	43,977	44,783	39,115	30,623	96,357	96,724	116,870	77,787	60,599
Hardwoods	15,548	16,795	20,141	12,993	10,573	107,429	97,145	108,452	74,555	69,190
Total	72,848	60,772	64,924	52,108	41,196	203,786	193,870	225,321	152,342	129,789
Rocky Mountain:										
Great Plains:										
Softwoods	0	10	17	8	7	223	311	250	202	165
Hardwoods	0	0	2	0	0	1,164	980	1,005	871	786
Total	0	10	19	9	7	1,387	1,290	1,256	1,073	951
Intermountain:										
Softwoods	3,565	3,533	2,916	2,586	2,219	10,950	8,609	7,800	6,836	5,893
Hardwoods	223	28	22	25	19	6,103	1,401	732	635	548
Total	3,787	3,561	2,938	2,611	2,238	17,053	10,010	8,532	7,471	6,442
Rocky Mountain total:										
Softwoods	3,565	3,543	2,933	2,595	2,225	11,173	8,919	8,050	7,038	6,058
Hardwoods	223	28	24	25	19	7,267	2,381	1,737	1,478	1,335
Total	3,787	3,570	2,957	2,620	2,244	18,440	11,300	9,787	8,544	7,393
Pacific Coast:										
Alaska:										
Softwoods	0	0	0	0	0	311	583	85	44	18
Hardwoods	0	0	0	0	0	584	1,064	6	3	3
Total	0	0	0	0	0	895	1,646	90	47	21
Pacific Northwest:										
Softwoods	25,014	29,129	19,561	13,134	11,292	15,318	15,036	13,066	12,562	10,576
Hardwoods	2,856	4,360	4,109	2,785	2,131	4,023	5,365	4,186	3,719	2,805
Total	27,870	33,489	23,670	15,919	13,423	19,341	20,400	17,252	16,281	13,380
Pacific Southwest:										
Softwoods	6,993	5,799	3,920	3,056	2,547	7,441	6,727	5,584	5,434	5,037
Hardwoods	1,288	1,290	541	425	311	2,216	2,699	1,025	849	821
Total	8,281	7,089	4,460	3,481	2,858	9,657	9,426	6,608	6,283	5,858
Pacific Coast total:										
Softwoods	32,007	34,928	23,481	16,190	13,839	23,071	22,345	18,734	18,040	15,631
Hardwoods	4,144	5,651	4,650	3,209	2,442	6,822	9,127	5,216	4,570	3,628
Total	36,150	40,579	28,130	19,400	16,281	29,893	31,473	23,950	22,611	19,259
United States:										
Softwoods	95,700	89,200	83,434	65,825	52,976	152,107	147,549	166,832	122,401	98,170
Hardwoods	27,901	31,965	34,566	23,480	19,476	213,885	193,468	189,780	145,034	130,150
Total	123,601	121,165	118,001	89,305	72,452	365,991	341,018	356,612	267,435	228,320

[a] Native American lands are included exclusively in the nonindustrial private owner group for 1997 only. For 1987 and earlier years, these lands may be included in the other public owner group.

Note: Data may not add to totals because of rounding.

Table 35—Annual removals of growing stock on timberland in the United States by ownership group, region, subregion, and species group, 1996, 1986, and 1976

Region, subregion, and species group	All owners			National forest	Other public	Forest industry	Non-industrial private
	1996	1986	1976	1996	1996	1996	1996
	Thousand cubic meters						
North:							
Northeast:							
Softwoods	11,708	14,739	14,110	128	382	3,327	7,872
Hardwoods	24,366	22,107	22,745	467	1,288	4,473	18,139
Total	36,074	36,845	36,854	594	1,669	7,800	26,011
North Central:							
Softwoods	7,206	5,794	5,477	686	2,004	919	3,597
Hardwoods	35,179	34,004	28,273	1,813	6,551	2,970	23,845
Total	42,385	39,797	33,750	2,499	8,555	3,889	27,443
North total:							
Softwoods	18,914	20,532	19,587	814	2,385	4,246	11,469
Hardwoods	59,545	56,110	51,018	2,279	7,838	7,443	41,984
Total	78,459	76,643	70,605	3,093	10,224	11,689	53,453
South:							
Southeast:							
Softwoods	83,412	68,247	57,415	1,339	3,227	27,206	51,640
Hardwoods	42,785	35,681	28,371	1,447	1,093	8,053	32,191
Total	126,197	103,928	85,786	2,786	4,320	35,260	83,831
South Central:							
Softwoods	99,922	82,226	68,137	3,945	1,719	35,636	58,622
Hardwoods	62,110	46,010	35,084	1,571	1,492	12,857	46,190
Total	162,032	128,235	103,221	5,516	3,211	48,494	104,812
South total:							
Softwoods	183,335	150,473	125,552	5,284	4,946	62,843	110,262
Hardwoods	104,894	81,691	63,455	3,018	2,585	20,910	78,381
Total	288,229	232,164	189,007	8,302	7,531	83,753	188,643
Rocky Mountain:							
Great Plains:							
Softwoods	571	730	603	347	20	--	204
Hardwoods	428	460	583	0	12	--	415
Total	999	1,190	1,186	347	32	--	619
Intermountain:							
Softwoods	13,611	23,122	23,254	3,343	1,361	4,369	4,537
Hardwoods	446	329	86	178	57	96	115
Total	14,057	23,451	23,340	3,522	1,418	4,466	4,652
Rocky Mountain total:							
Softwoods	14,182	23,852	23,857	3,690	1,381	4,369	4,741
Hardwoods	874	789	669	179	69	96	530
Total	15,055	24,641	24,527	3,869	1,450	4,466	5,271

Table 35—(continued).

Region, subregion, and species group	All owners			National forest	Other public	Forest industry	Non-industrial private
	1996	1986	1976	1996	1996	1996	1996
	Thousand cubic meters						
Pacific Coast:							
Alaska:							
Softwoods	5,018	3,336	3,040	1,429	96	--	3,492
Hardwoods	148	147	90	11	42	--	95
Total	5,166	3,484	3,130	1,441	138	--	3,587
Pacific Northwest:							
Softwoods	45,888	88,325	87,778	3,891	6,412	22,664	12,921
Hardwoods	2,816	2,784	3,008	37	359	1,123	1,296
Total	48,703	91,109	90,786	3,928	6,771	23,788	14,217
Pacific Southwest:							
Softwoods	17,490	23,175	23,161	2,706	649	10,101	4,033
Hardwoods	284	328	476	99	3	142	40
Total	17,774	23,502	23,636	2,806	652	10,243	4,073
Pacific Coast total:							
Softwoods	68,395	114,836	113,980	8,027	7,157	32,766	20,446
Hardwoods	3,248	3,259	3,573	148	404	1,265	1,431
Total	71,643	118,095	117,553	8,174	7,561	34,031	21,877
United States:							
Softwoods	284,826	309,693	282,975	17,814	15,870	104,223	146,919
Hardwoods	168,561	141,850	118,716	5,624	10,896	29,715	122,326
Total	453,387	451,543	401,691	23,438	26,766	133,939	269,244

Note: Data may not add to totals because of rounding.

Table 36—Net annual growth, removals, and mortality of growing stock on timberland in the United States by species group, region, subregion, and State, 1996

Region, subregion, and State	All species			Softwoods			Hardwoods		
	Net growth	Removals	Mortality	Net growth	Removals	Mortality	Net growth	Removals	Mortality
	Thousand cubic meters								
North:									
Northeast:									
Connecticut	1,306	331	498	151	85	14	1,155	246	483
Delaware	346	217	116	75	112	44	271	104	72
Maine	11,384	12,501	6,319	5,139	6,623	4,659	6,245	5,878	1,660
Maryland	3,930	1,146	845	695	365	227	3,236	782	618
Massachusetts	2,762	444	548	899	226	220	1,863	218	328
New Hampshire	4,982	3,960	1,398	2,247	1,270	645	2,735	2,690	753
New Jersey	1,728	299	343	318	21	42	1,410	277	302
New York	16,692	3,992	3,093	4,107	1,207	658	12,585	2,785	2,434
Pennsylvania	17,844	6,213	5,014	1,974	530	312	15,870	5,683	4,702
Rhode Island	268	49	52	68	17	4	200	33	49
Vermont	5,522	2,187	1,377	2,007	1,074	443	3,514	1,113	934
West Virginia	14,440	4,735	2,691	605	177	475	13,835	4,557	2,215
Total	81,203	36,074	22,293	18,284	11,708	7,743	62,919	24,366	14,550
North Central:									
Illinois	3,890	2,184	1,132	108	21	23	3,781	2,163	1,109
Indiana	6,330	2,712	1,713	247	87	76	6,083	2,626	1,637
Iowa	1,165	722	449	24	3	2	1,141	719	447
Michigan	21,406	9,982	5,609	6,431	2,218	1,756	14,975	7,764	3,853
Minnesota	10,474	9,180	6,110	3,228	2,115	1,869	7,246	7,066	4,241
Missouri	6,775	4,558	1,857	780	359	86	5,994	4,199	1,770
Ohio	8,306	2,864	1,589	309	81	124	7,997	2,784	1,465
Wisconsin	13,837	10,182	5,313	3,678	2,323	1,211	10,160	7,859	4,102
Total	72,183	42,385	23,773	14,805	7,206	5,148	57,378	35,179	18,625
North total:	153,386	78,459	46,066	33,089	18,914	12,891	120,297	59,545	33,175
South:									
Southeast:									
Florida	19,381	16,590	2,831	14,894	14,132	1,414	4,487	2,458	1,417
Georgia	42,977	42,633	8,244	28,492	30,065	4,449	14,485	12,568	3,795
North Carolina	32,816	28,983	7,470	16,692	17,133	3,293	16,124	11,850	4,176
South Carolina	14,693	21,322	11,390	9,586	14,870	7,116	5,107	6,453	4,274
Virginia	24,010	16,669	4,974	8,976	7,212	1,556	15,034	9,456	3,418
Total	133,877	126,197	34,909	78,640	83,412	17,828	55,237	42,785	17,081
South Central:									
Alabama	34,630	40,784	5,605	18,611	27,885	3,006	16,019	12,899	2,599
Arkansas	25,365	21,145	3,984	15,456	12,362	1,273	9,909	8,783	2,710
Kentucky	10,871	7,055	2,507	711	443	364	10,160	6,613	2,143
Louisiana	23,602	22,395	4,461	14,888	15,931	2,197	8,714	6,464	2,264
Mississippi	31,260	32,753	4,621	18,086	20,651	2,116	13,174	12,103	2,504
Oklahoma	6,761	3,522	411	3,242	2,447	85	3,519	1,075	327
Tennessee	16,828	10,415	4,143	2,765	2,215	928	14,063	8,200	3,215
Texas	19,957	23,961	2,641	14,257	17,988	1,517	5,700	5,973	1,124
Total	169,275	162,032	28,372	88,015	99,922	11,485	81,259	62,110	16,887
South total:	303,152	288,229	63,281	166,655	183,335	29,313	136,497	104,894	33,968

Table 36—(continued).

Region, subregion, and State	All species			Softwoods			Hardwoods		
	Net growth	Removals	Mortality	Net growth	Removals	Mortality	Net growth	Removals	Mortality
	Thousand cubic meters								
Rocky Mountain:									
Great Plains:									
Kansas	732	181	550	29	2	2	703	179	548
Nebraska	399	314	367	114	127	42	284	186	325
North Dakota	189	39	127	3	0	0	185	39	127
South Dakota	1,377	465	304	1,281	442	227	96	23	77
Total	2,696	999	1,347	1,428	571	271	1,268	428	1,076
Intermountain:									
Arizona	4,770	437	758	3,026	437	664	1,744	0	94
Colorado	9,704	583	5,033	5,497	363	3,677	4,207	220	1,357
Idaho	22,821	7,144	8,157	22,459	6,991	7,755	362	153	402
Montana	18,224	4,848	7,843	15,869	4,832	7,721	2,355	16	122
Nevada	1,711	38	70	120	38	60	1,591	--	10
New Mexico	3,561	371	1,512	3,221	338	1,179	340	33	332
Utah	2,184	235	2,930	1,315	211	2,441	869	24	488
Wyoming	3,203	401	1,806	2,610	401	1,689	593	--	116
Total	66,177	14,057	28,108	54,117	13,611	25,186	12,061	446	2,922
Rocky Mountain total:	68,873	15,055	29,454	55,544	14,182	25,457	13,329	874	3,998
Pacific Coast:									
Alaska:									
Alaska	6,305	5,166	5,793	3,874	5,018	5,506	2,431	148	288
Total	6,305	5,166	5,793	3,874	5,018	5,506	2,431	148	288
Pacific Northwest:									
Oregon	49,205	24,224	13,183	43,757	23,326	11,984	5,448	898	1,199
Washington	49,060	24,480	12,169	43,425	22,561	10,022	5,635	1,918	2,147
Total	98,266	48,703	25,352	87,182	45,888	22,006	11,084	2,816	3,346
Pacific Southwest:									
California	36,432	17,774	8,880	32,691	17,490	7,446	3,741	284	1,434
Hawaii	28	0	31	0	0	0	28	0	31
Total	36,460	17,774	8,911	32,691	17,490	7,446	3,769	284	1,465
Pacific Coast total:	141,030	71,643	40,056	123,747	68,395	34,958	17,283	3,248	5,098
United States:	666,441	453,387	178,857	379,035	284,826	102,619	287,406	168,561	76,239

Note: Data may not add to totals because of rounding.

Table 37—Net all-live biomass on timberland in the Eastern and Western United States by rural-urban continuum class and forest type group, 1997

Forest type group	Total	Predominant county population continuum class				
		Major metro	Intermediate-small metro	Large town	Small town	Rural
		Million dry metric tons				
East:						
White-red-jack pine	509	94	113	19	206	77
Spruce-fir	503	7	56	85	294	61
Longleaf-slash pine	327	68	35	12	145	67
Loblolly-shortleaf pine	1,744	302	194	69	819	360
Oak-pine	1,167	230	135	39	520	244
Oak-hickory	5,400	1,107	678	128	2,207	1,280
Oak-gum-cypress	1,452	282	175	48	697	250
Elm-ash-cottonwood	446	118	63	17	185	63
Maple-beech-birch	2,388	336	342	181	1,148	381
Aspen-birch	483	11	64	31	250	125
Nonstocked	2	0	0	0	1	0
East total:	14,420	2,555	1,854	630	6,473	2,907
West:						
Douglas-fir	1,783	351	393	167	555	317
Ponderosa pine	706	73	96	99	281	156
Western white pine	7	1	1	0	4	1
Fir-spruce	1,100	89	105	76	388	442
Hemlock-Sitka spruce	850	91	124	44	183	408
Larch	49	0	1	7	28	14
Lodgepole pine	392	4	11	44	155	179
Redwood	71	18	26	25	2	0
Western hardwoods	793	110	161	82	187	252
Other softwoods forest types	53	1	5	4	20	23
Pinyon-juniper	7	0	0	4	2	1
Nonstocked	4	1	0	0	1	1
West total:	5,814	738	923	552	1,806	1,794
United States:	20,234	3,293	2,778	1,182	8,279	4,701

Note: Data may not add to totals because of rounding.

Table 38—Biomass on timberland in the United States by region, subregion, State, and tree component, 1997

Region, subregion, and State	All biomass	Live trees				Sound dead
		All live	Boles	Tops	Saplings	
	Million dry metric tons					
North:						
Northeast:						
Connecticut	74	74	46	17	11	1
Delaware	19	18	12	4	2	0
Maine	728	724	430	166	128	4
Maryland	137	137	93	32	12	1
Massachusetts	118	117	74	27	16	1
New Hampshire	276	275	180	67	28	1
New Jersey	73	72	44	16	12	0
New York	684	682	452	147	83	2
Pennsylvania	792	790	557	165	67	3
Rhode Island	12	11	7	3	2	0
Vermont	265	264	175	64	24	2
West Virginia	675	673	444	154	76	1
Total	3,852	3,837	2,514	861	461	15
North Central:						
Illinois	146	145	101	29	15	1
Indiana	188	188	137	39	13	0
Iowa	68	67	47	14	7	0
Michigan	717	714	481	140	93	3
Minnesota	417	414	270	76	68	3
Missouri	431	430	281	90	59	1
Ohio	428	427	294	92	40	1
Wisconsin	510	503	348	102	54	6
Total	2,905	2,890	1,959	582	348	15
North total:	6,757	6,726	4,474	1,443	809	30
South:						
Southeast:						
Florida	395	395	297	41	57	0
Georgia	804	804	612	83	110	0
North Carolina	808	808	630	84	93	1
South Carolina	410	410	315	41	53	0
Virginia	711	710	551	81	79	1
Total	3,128	3,126	2,405	330	392	2
South Central:						
Alabama	765	764	502	140	121	1
Arkansas	754	752	507	152	93	2
Kentucky	560	559	401	102	57	1
Louisiana	588	587	413	117	58	0
Mississippi	703	702	471	141	90	1
Oklahoma	179	178	109	36	33	0
Tennessee	608	606	409	126	72	1
Texas	420	419	288	80	51	1
Total	4,576	4,568	3,100	893	574	8
South total:	7,704	7,694	5,504	1,223	966	10

Table 38—(continued).

Region, subregion, and State	All biomass	Live trees				Sound dead
		All live	Boles	Tops	Saplings	
			Million dry metric tons			
Rocky Mountain:						
Great Plains:						
Kansas	46	46	33	9	3	1
Nebraska	27	26	20	5	1	0
North Dakota	12	12	9	3	1	0
South Dakota	28	28	22	4	2	0
Total	114	112	84	20	8	2
Intermountain:						
Arizona	107	106	71	29	7	2
Colorado	312	289	209	60	20	23
Idaho	718	695	524	131	40	24
Montana	561	527	359	120	48	34
Nevada	15	14	11	3	0	1
New Mexico	111	108	73	26	9	3
Utah	155	142	99	32	12	13
Wyoming	128	118	83	29	6	10
Total	2,109	1,999	1,430	428	142	109
Rocky Mountain total:	2,223	2,112	1,513	448	150	111
Pacific Coast:						
Alaska:						
Alaska	603	587	429	92	66	16
Total	603	587	429	92	66	16
Pacific Northwest:						
Oregon	1,279	1,238	1,039	178	21	41
Washington	996	975	796	151	28	22
Total	2,275	2,213	1,835	329	49	63
Pacific Southwest:						
California	901	898	724	121	53	3
Hawaii	5	5	4	1	0	0
Total	905	902	727	122	53	3
Pacific Coast total:	3,784	3,702	2,991	543	168	82
United States:	20,468	20,234	14,483	3,657	2,094	234

Note: Data may not add to totals because of rounding.

Table 39—Volume of roundwood products harvested in the United States by source of material, species group, region, subregion, and product, 1996

Region, subregion, and product	All sources			Source of material					
				Growing stock			Other sources		
	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods
	Thousand cubic meters								
North:									
Northeast:									
Saw logs	20,209	7,338	12,871	17,250	5,874	11,376	2,959	1,463	1,496
Veneer logs	925	73	852	812	58	754	113	15	98
Pulpwood	14,826	6,067	8,759	11,912	4,743	7,169	2,914	1,324	1,590
Composite products	60	5	55	49	4	45	11	1	10
Fuelwood	13,214	1,507	11,706	1,772	141	1,631	11,441	1,366	10,075
Posts, poles, and pilings	230	54	176	191	36	155	40	18	21
Miscellaneous products	694	373	322	530	247	283	164	125	39
Total	50,158	15,416	34,742	32,516	11,104	21,412	17,643	4,313	13,330
North Central:									
Saw logs	16,006	2,186	13,820	14,597	2,111	12,486	1,409	75	1,334
Veneer logs	777	14	762	705	13	692	71	1	70
Pulpwood	15,275	4,377	10,898	12,866	3,888	8,978	2,409	489	1,920
Composite products	5,643	326	5,317	5,184	258	4,927	459	68	391
Fuelwood	10,618	445	10,173	1,907	156	1,751	8,711	289	8,422
Posts, poles, and pilings	255	211	45	194	172	22	62	39	23
Miscellaneous products	570	113	457	487	110	377	83	3	80
Total	49,145	7,673	41,472	35,940	6,708	29,232	13,205	965	12,240
North total:									
Saw logs	36,215	9,524	26,691	31,847	7,985	23,862	4,368	1,539	2,829
Veneer logs	1,702	87	1,615	1,517	71	1,446	184	16	168
Pulpwood	30,101	10,444	19,657	24,777	8,631	16,147	5,324	1,813	3,510
Composite products	5,703	331	5,372	5,233	262	4,972	470	69	401
Fuelwood	23,832	1,953	21,879	3,679	297	3,382	20,153	1,656	18,497
Posts, poles, and pilings	486	265	221	384	208	176	101	57	45
Miscellaneous products	1,264	485	779	1,017	358	660	247	128	119
Total	99,303	23,089	76,214	68,455	17,811	50,644	30,848	5,278	25,570
South:									
Southeast:									
Saw logs	44,247	35,021	9,226	42,878	34,169	8,709	1,369	852	517
Veneer logs	6,739	5,270	1,469	6,608	5,153	1,455	131	117	14
Pulpwood	50,686	34,600	16,086	45,345	30,921	14,424	5,341	3,679	1,663
Composite products	3,026	1,957	1,069	2,667	1,717	950	358	240	119
Fuelwood	12,421	1,509	10,913	6,860	821	6,039	5,562	687	4,874
Posts, poles, and pilings	781	779	2	713	711	2	69	68	0
Miscellaneous products	617	528	90	495	414	81	122	114	8
Total	118,518	79,664	38,854	105,566	73,907	31,659	12,952	5,757	7,195
South Central:									
Saw logs	59,916	42,006	17,911	57,148	40,922	16,225	2,769	1,083	1,685
Veneer logs	16,609	15,563	1,045	16,146	15,127	1,020	462	437	25
Pulpwood	59,514	33,296	26,217	53,687	30,642	23,045	5,826	2,654	3,172
Composite products	1,298	872	426	1,125	755	371	173	117	56
Fuelwood	14,406	1,577	12,829	7,498	957	6,541	6,908	620	6,288
Posts, poles, and pilings	1,152	1,151	1	1,016	1,016	0	136	136	0
Miscellaneous products	62	52	10	49	42	7	14	10	4
Total	152,958	94,518	58,440	136,670	89,461	47,210	16,288	5,057	11,230
South total:									
Saw logs	104,163	77,026	27,137	100,025	75,091	24,934	4,138	1,935	2,203
Veneer logs	23,348	20,834	2,514	22,755	20,280	2,475	593	554	39
Pulpwood	110,200	67,896	42,304	99,032	61,564	37,469	11,167	6,332	4,835
Composite products	4,324	2,829	1,495	3,793	2,472	1,321	531	357	174
Fuelwood	26,828	3,086	23,742	14,358	1,778	12,580	12,470	1,308	11,162
Posts, poles, and pilings	1,934	1,931	3	1,729	1,727	2	205	204	1
Miscellaneous products	680	580	100	544	456	88	136	124	12
Total	271,476	174,182	97,294	242,236	163,368	78,869	29,240	10,814	18,425
Rocky Mountain:									
Great Plains:									
Saw logs	682	472	210	664	468	197	17	4	13
Veneer logs	3	0	3	3	0	3	0	0	0
Pulpwood	0	0	0	0	0	0	0	0	0
Composite products	28	23	5	23	19	4	5	4	1
Fuelwood	1,197	44	1,154	36	2	34	1,161	42	1,119
Posts, poles, and pilings	19	4	15	0	0	0	18	4	15
Miscellaneous products	6	3	2	6	3	2	0	0	0
	1,935	546	1,388	733	493	240	1,202	53	1,148

Table 39—(continued).

Region, subregion, and product	All sources			Source of material					
				Growing stock			Other sources		
	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods
	Thousand cubic meters								
Intermountain:									
Saw logs	10,351	10,313	38	9,567	9,532	35	784	781	3
Veneer logs	1,796	1,796	0	1,785	1,785	0	11	11	0
Pulpwood	741	741	0	530	530	0	211	211	0
Composite products	130	0	130	129	0	129	1	0	1
Fuelwood	3,684	2,750	934	171	80	91	3,513	2,670	843
Posts, poles, and pilings	368	367	1	318	317	1	50	50	0
Miscellaneous products	456	292	164	295	132	163	161	160	1
Total	17,527	16,259	1,268	12,795	12,375	419	4,732	3,884	848
Rocky Mountain total:									
Saw logs	11,033	10,785	248	10,231	10,000	231	802	785	17
Veneer logs	1,799	1,796	3	1,788	1,785	3	11	11	0
Pulpwood	741	741	0	530	530	0	211	211	0
Composite products	158	23	135	152	19	133	6	4	2
Fuelwood	4,882	2,794	2,088	208	82	126	4,674	2,712	1,962
Posts, poles, and pilings	387	371	16	318	317	1	69	54	15
Miscellaneous products	462	296	166	301	136	165	161	160	1
Total	19,462	16,805	2,656	13,528	12,868	660	5,934	3,937	1,996
Pacific Coast:									
Alaska:									
Saw logs	978	972	5	957	952	5	21	21	0
Veneer logs	0	0	0	0	0	0	0	0	0
Pulpwood	545	543	2	489	487	2	56	56	0
Composite products	0	0	0	0	0	0	0	0	0
Fuelwood	362	200	161	288	165	123	74	35	39
Posts, poles, and pilings	0	0	0	0	0	0	0	0	0
Miscellaneous products	2,249	2,249	0	2,249	2,249	0	0	0	0
Total	4,133	3,965	169	3,983	3,853	130	151	112	39
Pacific Northwest:									
Saw logs	34,526	33,084	1,442	33,488	32,047	1,441	1,038	1,037	1
Veneer logs	8,417	8,091	326	7,715	7,395	320	702	696	6
Pulpwood	1,136	1,050	86	958	877	81	178	174	5
Composite products	41	41	0	34	34	0	6	6	0
Fuelwood	3,904	2,674	1,230	2,282	1,438	844	1,622	1,236	386
Posts, poles, and pilings	1,942	1,942	0	1,942	1,942	0	0	0	0
Miscellaneous products	62	62	0	42	42	0	20	20	0
Total	50,028	46,943	3,085	46,462	43,775	2,687	3,566	3,168	398
Pacific Southwest:									
Saw logs	14,587	14,587	0	13,396	13,396	0	1,191	1,191	0
Veneer logs	1,003	1,000	3	766	764	3	236	236	0
Pulpwood	0	0	0	0	0	0	0	0	0
Composite products	0	0	0	0	0	0	0	0	0
Fuelwood	4,797	3,247	1,551	1,796	1,540	255	3,002	1,706	1,296
Posts, poles, and pilings	200	200	0	200	200	0	0	0	0
Miscellaneous products	7	7	0	0	0	0	7	7	0
Total	20,593	19,040	1,553	16,158	15,900	258	4,436	3,140	1,296
Pacific Coast total:									
Saw logs	50,091	48,643	1,448	47,841	46,394	1,446	2,250	2,249	1
Veneer logs	9,420	9,091	329	8,481	8,159	323	938	932	6
Pulpwood	1,681	1,593	88	1,447	1,364	83	234	229	5
Composite products	41	41	0	34	34	0	6	6	0
Fuelwood	9,063	6,121	2,943	4,366	3,143	1,222	4,697	2,977	1,720
Posts, poles, and pilings	2,141	2,141	0	2,141	2,141	0	0	0	0
Miscellaneous products	2,318	2,318	0	2,292	2,292	0	27	27	0
Total	74,755	69,948	4,807	66,602	63,527	3,075	8,153	6,420	1,733
United States:									
Saw logs	201,502	145,979	55,524	189,944	139,471	50,474	11,558	6,508	5,050
Veneer logs	36,268	31,807	4,460	34,541	30,294	4,246	1,727	1,513	214
Pulpwood	142,723	80,674	62,049	125,786	72,088	53,699	16,936	8,586	8,350
Composite products	10,226	3,224	7,002	9,213	2,787	6,425	1,014	437	577
Fuelwood	64,605	13,953	50,651	22,611	5,301	17,310	41,994	8,652	33,342
Posts, poles, and pilings	4,948	4,708	239	4,573	4,393	179	375	315	60
Miscellaneous products	4,724	3,679	1,045	4,154	3,240	913	570	439	132
Total	464,995	284,024	180,971	390,822	257,575	133,247	74,174	26,450	47,724

Note: Data may not add to totals because of rounding.

Table 40—Roundwood products, logging residues, and other removals from growing stock and other sources by species group, region, and subregion, 1996

Region, subregion, class of material, and source of material	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
North:			
Northeast:			
Roundwood products—			
Growing stock	32,516	11,104	21,412
Other sources	17,643	4,313	13,330
Total	50,158	15,416	34,742
Logging residues—			
Growing stock[a]	3,559	605	2,954
Other sources[b]	16,633	4,907	11,726
Total	20,192	5,512	14,681
Other removals—			
Growing stock[c]	0	0	0
Other sources[d]	302	40	262
Total	302	40	262
Total, all classes—			
Growing stock	36,074	11,708	24,366
Other sources	34,578	9,260	25,318
Total, all materials	70,652	20,968	49,685
North Central:			
Roundwood products—			
Growing stock	35,940	6,708	29,232
Other sources	13,205	965	12,240
Total	49,145	7,673	41,472
Logging residues—			
Growing stock[a]	3,685	270	3,414
Other sources[b]	14,599	2,497	12,103
Total	18,284	2,767	15,517
Other removals—			
Growing stock[c]	2,761	228	2,533
Other sources[d]	2,635	129	2,505
Total	5,395	357	5,038
Total, all classes—			
Growing stock	42,385	7,206	35,179
Other sources	30,439	3,591	26,848
Total, all materials	72,824	10,797	62,027
North Total:			
Roundwood products—			
Growing stock	68,455	17,811	50,644
Other sources	30,848	5,278	25,570
Total	99,303	23,089	76,214
Logging residues—			
Growing stock[a]	7,243	875	6,368
Other sources[b]	31,233	7,404	23,829
Total	38,476	8,279	30,197

Table 40—(continued).

Region, subregion, class of material, and source of materials	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
Other removals—			
Growing stock[c]	2,761	228	2,533
Other sources[d]	2,937	169	2,768
Total	5,697	397	5,301
Total, all classes—			
Growing stock	78,459	18,914	59,545
Other sources	65,017	12,850	52,166
Total, all materials	143,476	31,765	111,712
South:			
Southeast:			
Roundwood products—			
Growing stock	105,566	73,907	31,659
Other sources	12,952	5,757	7,195
Total	118,518	79,664	38,854
Logging residues—			
Growing stock[a]	9,816	4,756	5,060
Other sources[b]	5,704	1,848	3,856
Total	15,520	6,604	8,916
Other removals—			
Growing stock[c]	10,815	4,750	6,066
Other sources[d]	5,563	1,742	3,821
Total	16,379	6,492	9,887
Total, all classes—			
Growing stock	126,197	83,412	42,785
Other sources	24,219	9,347	14,872
Total, all materials	150,417	92,760	57,657
South Central:			
Roundwood products—			
Growing stock	136,670	89,461	47,210
Other sources	16,288	5,057	11,230
Total	152,958	94,518	58,440
Logging residues—			
Growing stock[a]	13,178	5,671	7,507
Other sources[b]	14,390	4,186	10,203
Total	27,568	9,857	17,710
Other removals—			
Growing stock[c]	12,183	4,791	7,393
Other sources[d]	4,387	883	3,504
Total	16,571	5,674	10,897
Total, all classes—			
Growing stock	162,032	99,922	62,110
Other sources	35,065	10,127	24,938
Total, all materials	197,097	110,049	87,047

Table 40—(continued).

Region, subregion, class of material, and source of material	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
South total:			
Roundwood products—			
Growing stock	242,236	163,368	78,869
Other sources	29,239	10,814	18,425
Total	271,476	174,182	97,294
Logging residues—			
Growing stock[a]	22,994	10,427	12,567
Other sources[b]	20,094	6,034	14,059
Total	43,088	16,461	26,627
Other removals—			
Growing stock[c]	22,999	9,540	13,458
Other sources[d]	9,951	2,625	7,326
Total	32,950	12,166	20,784
Total, all classes—			
Growing stock	288,229	183,335	104,894
Other sources	59,284	19,474	39,810
Total, all materials	347,513	202,809	144,705
Rocky Mountain:			
Great Plains:			
Roundwood products—			
Growing stock	733	493	240
Other sources	1,202	53	1,148
Total	1,935	546	1,388
Logging residues—			
Growing stock[a]	74	41	34
Other sources[b]	219	150	69
Total	293	191	102
Other removals—			
Growing stock[c]	192	38	154
Other sources[d]	337	27	310
Total	528	64	464
Total, all classes—			
Growing stock	999	571	428
Other sources	1,757	230	1,527
Total, all materials	2,756	801	1,955
Intermountain:			
Roundwood products—			
Growing stock	12,795	12,375	419
Other sources	4,732	3,884	848
Total	17,527	16,259	1,268
Logging residues—			
Growing stock[a]	1,262	1,235	26
Other sources[b]	2,981	2,894	86
Total	4,242	4,130	113

Table 40—(continued).

Region, subregion, class of material, and source of materials	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
Other removals—			
Growing stock[c]	0	0	0
Other sources[d]	0	0	0
Total	0	0	0
Total, all classes—			
Growing stock	14,057	13,611	446
Other sources	7,713	6,778	934
Total, all materials	21,769	20,389	1,380
Rocky Mountain total:			
Roundwood products—			
Growing stock	13,528	12,868	660
Other sources	5,934	3,937	1,997
Total	19,462	16,806	2,656
Logging residues—			
Growing stock[a]	1,336	1,276	60
Other sources[b]	3,200	3,044	155
Total	4,535	4,320	215
Other removals—			
Growing stock[c]	192	38	154
Other sources[d]	337	27	310
Total	528	64	464
Total, all classes—			
Growing stock	15,055	14,182	874
Other sources	9,470	7,008	2,462
Total, all materials	24,525	21,190	3,335
Pacific Coast:			
Alaska:			
Roundwood products—			
Growing stock	3,983	3,853	130
Other sources	151	112	39
Total	4,133	3,965	169
Logging residues—			
Growing stock[a]	1,152	1,134	18
Other sources[b]	875	862	13
Total	2,026	1,995	31
Other removals—			
Growing stock[c]	31	31	0
Other sources[d]	0	0	0
Total	31	31	0
Total, all classes—			
Growing stock	5,166	5,018	148
Other sources	1,026	974	52
Total, all materials	6,191	5,991	200

Table 40—(continued).

Region, subregion, class of material, and source of material	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
Pacific Northwest:			
Roundwood products—			
Growing stock	46,462	43,775	2,687
Other sources	3,566	3,168	398
Total	50,028	46,943	3,085
Logging residues—			
Growing stock[a]	2,213	2,096	117
Other sources[b]	2,273	2,184	89
Total	4,486	4,280	206
Other removals—			
Growing stock[c]	28	17	11
Other sources[d]	0	0	0
Total	28	17	11
Total, all classes—			
Growing stock	48,703	45,888	2,816
Other sources	5,839	5,352	487
Total, all materials	54,543	51,240	3,303
Pacific Southwest:			
Roundwood products—			
Growing stock	16,158	15,900	258
Other sources	4,436	3,140	1,296
Total	20,593	19,040	1,553
Logging residues—			
Growing stock[a]	1,616	1,590	26
Other sources[b]	1,236	1,236	0
Total	2,852	2,826	26
Other removals—			
Growing stock[c]	1	0	0
Other sources[d]	6	2	4
Total	7	2	4
Total, all classes—			
Growing stock	17,774	17,490	284
Other sources	5,678	4,379	1,300
Total, all materials	23,452	21,869	1,584
Pacific Coast total:			
Roundwood products—			
Growing stock	66,602	63,527	3,075
Other sources	8,153	6,420	1,733
Total	74,755	69,948	4,807
Logging residues—			
Growing stock[a]	4,981	4,820	161
Other sources[b]	4,384	4,282	102
Total	9,364	9,101	263
Other removals—			
Growing stock[c]	60	48	12
Other sources[d]	6	2	4
Total	67	51	16

Table 40—(continued).

Region, subregion, class of material, and source of materials	Total	Species group	
		Softwoods	Hardwoods
	Thousand cubic meters		
Total, all classes—			
Growing stock	71,643	68,395	3,248
Other sources	12,543	10,704	1,839
Total, all materials	84,186	79,100	5,086
United States:			
Roundwood products—			
Growing stock	390,822	257,575	133,247
Other sources	74,174	26,450	47,724
Total	464,995	284,024	180,971
Logging residues—			
Growing stock[a]	36,554	17,397	19,157
Other sources[b]	58,910	20,764	38,146
Total	95,464	38,162	57,302
Other removals—			
Growing stock[c]	26,011	9,854	16,157
Other sources[d]	13,230	2,823	10,407
Total	39,242	12,677	26,565
Total, all classes—			
Growing stock	453,387	284,826	168,561
Other sources	146,314	50,037	96,277
Total, all materials	599,701	334,863	264,838

[a] Growing-stock volume cut or knocked down during harvest but left at the harvest site.

[b] Wood volume other than growing stock cut or knocked down during harvest but left on the ground. This volume is net of wet rot or advanced dry rot, and excludes old punky logs; consists of material sound enough to chip; includes downed dead and cull trees, tops above the 10cm growing-stock top, and smaller than 12.7cm d.b.h.; excludes stumps and limbs.

[c] Growing-stock volume removed by cultural operations or timberland clearing.

[d] Wood volume other than growing stock removed by cultural operations or timberland clearing. This volume is net of wet rot or advanced dry rot, and excludes old punky logs; consists of material sound enough to chip; includes downed dead and cull trees, tops above the 10cm growing-stock top, and smaller than 12.7cm dbh; excludes stumps and limbs.

Note: Data may not add to totals because of rounding.

Table 41—Weight of bark and wood residue from primary wood-using mills by type of material, species group, region, subregion, and type of use, 1996

Region, subregion, and type of use	Total residue			Bark residue			All materials			Coarse materials			Fine materials		
	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods
							Thousand dry metric tons								
North:															
Northeast:															
Fiber products	1,346	298	1,048	42	12	29	1,305	287	1,018	1,242	259	983	64	28	34
Fuel	1,788	360	1,428	288	64	224	1,501	297	1,204	904	195	709	595	102	494
Other uses	2,003	453	1,550	650	122	528	1,352	330	1,022	274	59	215	1,078	271	807
Not used	367	92	274	99	25	73	268	66	201	143	40	103	124	26	98
Total	5,504	1,203	4,300	1,079	223	854	4,424	980	3,445	2,564	552	2,011	1,861	427	1,432
North Central:															
Fiber products	1,399	214	1,186	43	1	41	1,357	212	1,144	1,276	195	1,080	82	17	64
Fuel	3,367	608	2,759	1,628	346	1,283	1,738	262	1,476	795	63	732	943	200	744
Other uses	2,031	145	1,886	774	58	716	1,257	88	1,170	550	45	505	708	43	665
Not used	324	53	271	92	18	73	232	34	198	71	11	60	161	24	138
Total	7,121	1,020	6,102	2,537	423	2,113	4,585	596	3,988	2,691	314	2,378	1,894	283	1,610
North total:															
Fiber products	2,745	513	2,233	83	13	71	2,662	500	2,162	2,517	454	2,064	144	45	99
Fuel	5,155	968	4,187	1,916	410	1,507	3,239	559	2,680	1,699	258	1,442	1,540	301	1,238
Other uses	4,034	599	3,436	1,424	181	1,244	2,610	418	2,192	825	103	720	1,785	314	1,471
Not used	690	144	546	191	44	146	500	100	400	214	51	163	285	49	236
Total	12,625	2,224	10,401	3,614	648	2,967	9,010	1,577	7,434	5,255	865	4,390	3,754	709	3,045
South:															
Southeast:															
Fiber products	8,008	6,662	1,345	2	0	2	8,006	6,662	1,344	6,692	5,399	1,293	1,315	1,264	51
Fuel	9,192	6,469	2,723	4,755	3,282	1,472	4,437	3,187	1,250	593	333	261	3,844	2,854	990
Other uses	2,527	2,022	504	1,159	830	329	1,367	1,193	175	474	414	59	894	778	115
Not used	176	88	89	53	31	22	123	57	67	53	25	28	71	32	39
Total	19,902	15,242	4,661	5,968	4,143	1,825	13,934	11,100	2,836	7,811	6,171	1,641	6,125	4,928	1,195
South Central:															
Fiber products	10,109	8,046	2,063	6	0	6	10,103	8,046	2,057	9,290	7,263	2,027	814	783	31
Fuel	13,945	9,376	4,570	6,705	4,299	2,406	7,240	5,076	2,165	1,308	660	648	5,932	4,415	1,517
Other uses	3,105	1,994	1,110	994	603	391	2,111	1,391	720	620	370	249	1,491	1,021	471
Not used	491	192	298	103	44	61	387	149	238	144	29	115	243	120	123
Total	27,651	19,608	8,042	7,809	4,946	2,864	19,841	14,661	5,179	11,362	8,323	3,038	8,481	6,339	2,142
South total:															
Fiber products	18,117	14,708	3,408	8	0	8	18,110	14,708	3,400	15,980	12,662	3,319	2,128	2,047	82
Fuel	23,138	15,845	7,293	11,460	7,581	3,878	11,678	8,264	3,415	1,902	993	909	9,776	7,270	2,506
Other uses	5,632	4,016	1,615	2,154	1,433	720	3,478	2,584	894	1,092	785	308	2,386	1,799	587
Not used	667	279	387	156	74	83	511	206	305	197	54	143	313	152	162
Total	47,554	34,849	12,704	13,778	9,089	4,689	33,777	25,762	8,014	19,172	14,494	4,679	14,603	11,267	3,337

Table 41—(continued).

Region, subregion and type of use	Total residue			Bark residue			All materials			Coarse materials			Fine materials		
	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods	Total	Soft-woods	Hard-woods
							Thousand dry metric tons								
Rocky Mountain:															
Great Plains:															
Fiber products	72	67	5	0	0	0	72	67	5	59	54	5	13	13	0
Fuel	53	42	11	29	26	3	24	15	8	13	6	6	11	9	2
Other uses	54	4	50	15	2	12	40	2	38	22	1	21	18	1	17
Not used	20	7	12	5	3	3	14	5	9	7	2	6	6	3	4
Total	198	120	77	49	31	17	149	88	60	101	64	38	48	25	23
Intermountain:															
Fiber products	3,886	3,883	4	0	0	0	3,886	3,883	4	2,977	2,973	4	910	910	0
Fuel	2,242	2,237	4	1,119	1,119	1	1,122	1,119	4	174	173	1	948	946	3
Other uses	356	352	3	103	102	1	252	250	2	68	68	0	184	182	2
Not used	242	240	3	130	129	1	112	112	2	65	64	1	47	47	0
Total	6,726	6,711	13	1,352	1,349	3	5,373	5,363	11	3,284	3,279	5	2,089	2,086	5
Rocky Mountain total:															
Fiber products	3,958	3,950	8	0	0	0	3,958	3,950	8	3,035	3,026	8	923	923	0
Fuel	2,293	2,279	15	1,149	1,145	4	1,146	1,134	12	187	179	8	959	955	4
Other uses	409	357	53	117	104	13	292	252	40	90	69	21	202	183	18
Not used	262	248	15	135	132	4	127	116	11	73	65	7	54	50	4
Total	6,923	6,833	91	1,401	1,381	20	5,523	5,452	71	3,385	3,339	44	2,137	2,111	25
Pacific Coast:															
Alaska:															
Fiber products	82	82	0	0	0	0	82	82	0	82	82	0	0	0	0
Fuel	33	33	0	0	0	0	33	33	0	9	9	0	23	23	0
Other uses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not used	104	100	5	83	82	2	22	18	4	15	13	3	6	5	1
Total	219	214	5	83	82	2	136	132	4	106	103	3	29	28	1
Pacific Northwest:															
Fiber products	6,626	6,339	288	1	1	0	6,625	6,338	287	4,592	4,329	264	2,032	2,009	24
Fuel	3,616	3,271	345	2,164	2,015	150	1,452	1,256	196	509	402	108	943	855	88
Other uses	1,106	1,007	99	304	277	28	802	730	72	544	513	31	258	217	41
Not used	14	14	0	6	6	0	6	6	0	4	4	0	4	4	0
Total	11,362	10,631	731	2,475	2,299	178	8,886	8,331	554	5,649	5,248	403	3,236	3,084	152
Pacific Southwest:															
Fiber products	1,948	1,945	3	14	14	0	1,934	1,931	3	1,444	1,442	3	490	490	0
Fuel	2,074	2,072	1	771	770	1	1,303	1,303	0	494	494	0	809	808	0
Other uses	347	347	0	108	108	0	239	239	0	80	80	0	159	159	0
Not used	7	7	0	7	7	0	0	0	0	0	0	0	0	0	0
Total	4,375	4,371	4	900	899	1	3,475	3,473	3	2,018	2,015	3	1,458	1,457	0
Pacific Coast total:															
Fiber products	8,656	8,365	290	15	14	0	8,641	8,351	290	6,118	5,851	267	2,523	2,499	24
Fuel	5,723	5,376	347	2,935	2,784	151	2,787	2,591	196	1,012	904	108	1,774	1,686	88
Other uses	1,453	1,354	100	412	385	28	1,041	969	72	624	593	31	416	376	41
Not used	126	121	5	97	96	2	28	25	4	18	15	3	10	9	1
Total	15,958	15,216	741	3,458	3,279	181	12,497	11,936	562	7,773	7,365	408	4,724	4,570	153
United States:															
Fiber products	33,476	27,536	5,939	106	27	79	33,370	27,509	5,861	27,651	21,994	5,657	5,718	5,515	203
Fuel	36,309	24,468	11,841	17,460	11,921	5,538	18,849	12,547	6,302	4,801	2,334	2,467	14,049	10,213	3,836
Other uses	11,528	6,325	5,203	4,107	2,102	2,005	7,421	4,223	3,198	2,632	1,550	1,081	4,789	2,673	2,116
Not used	1,745	792	953	579	346	234	1,166	446	719	503	187	317	662	260	402
Total	83,057	59,121	23,936	22,252	14,395	7,856	60,805	44,725	16,079	35,588	26,066	9,522	25,218	18,661	6,557

Note: Data may not add to totals because of rounding.

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Smith, W. Brad; Vissage, John S.; Darr, David R.; Sheffield, Raymond M.
2002. **Forest resources of the United States, 1997, METRIC UNITS**. Gen. Tech. Rep. NC-222. St. Paul, MN: U.S. Department of Agriculture, Forest Service, North Central Research Station. 127 p.

Forest resource statistics from the 1987 Resources Planning Act (RPA) Assessment were updated to 1997 to provide current information on the Nation's forests. Resource tables present estimates in metric measure of forest area, volume, mortality, growth, removals, and timber products output in various ways, such as by ownership, region, or State.

KEY WORDS: RPA, assessment, inventory, forest statistics, area, volume, forest history, metric.

United States Department of Agriculture

Forest Service

General Technical Report
NC-222
April 2002

http://fia.fs.fed.us